360

VOLUME 81 PAPER No. 860

PROCEEDINGS

AMERICAN SOCIETY OF CIVIL ENGINEERS

DECEMBER, 1955

INDEX TO PROCEEDINGS
Volume 81
(1955)

BOARD OF DIRECTION

Copyright 1955 by the AMERICAN SOCIETY OF CIVIL ENGINEERS
Printed in the United States of America

Headquarters of the Society
33 W. 39th St.
New York 18, N. Y.

PRICE $0.50 PER COPY

THIS INDEX

—represents an effort to supply a list of topic headings as a guide to material published in 1955. The author listing has been made complete, including co-authors, discussers, and co-discussers. Subject headings have been greatly restricted, however, under three basic rules:

1. Each paper is listed under one primary heading suggested by the name of the technical divisions of the Society, and under no other subject is that one is sufficient;
2. A secondary listing is used if further classification is considered essential; and
3. A geographic listing (by states only, in the United States, and by foreign countries) is recognized where location is particularly important.

References to discussers of a given paper can be found immediately in the author index under the name of the senior author. Discussion that occurred in more than one calendar year can be traced by referring to the senior author in each successive annual index, as long as that name appears. Typical abbreviations are: Dsc for "discussion," Clo for "closing discussion," Rt for "report," Corr for "corrections," and Chmn for "chairman of the committee preparing the report." All numbers refer to the number of the Proceedings Paper, no page numbers being included in this index. Such a number appears (in parentheses) following the title of a main paper or following Dsc and Clo in discussions.

Reprints from this publication may be made on condition that the full title of paper, name of author, page reference (or paper number), and date of publication by the Society are given.

This paper was published at 2500 S. State Street, Ann Arbor, Mich., by the American Society of Civil Engineers. Editorial and General Offices are at 33 West Thirty-ninth Street, New York 18, N.Y.

AMERICAN SOCIETY OF CIVIL ENGINEERS

Founded November 5, 1852

ANNUAL INDEX

Subject and Author Indexes
for
PROCEEDINGS
Volume 81 (1956)

Items indexed are identified by months, as follows:

Month	Number
January	Proceedings Papers 583 to 607.
February	608 to 633.
March	634 to 658.
April	659 to 678.
May	679 to 701.
June	702 to 731.
July	732 to 760.
August	761 to 786.
September	787 to 808.
October	809 to 824.
November	825 to 841.
December	842 to 860.

Subject Index

AIR TRANSPORT
"Future Development of the Metropolitan Oakland International Airport" (721) by Joseph G. Bastow
Rt "The Design of Airfield Overlay Pavements: Progress Report of the Committee on Design of Overlay Pavements of the Air Transport Division" (777) R. Horonjeff, Chmn
"The Effect of Traffic upon Runway Pavement Cross-Section" (720) by Robert Horonjeff and John Hugh Jones
"Transport Helicopter Cost and Heliport Considerations" (778) by F. David Schnebly

ARCHES
"Analysis of Arches by Finite Differences" (829) by Ephraim G. Hirsch and E. P. Popov
"Continuous Arches on Elastic Piers" (827) by James Michalos and Darrel D. Girton

ATOMIC ENERGY
"Elementary Principles of Nuclear Power" (768) by John W. Landis
"Environmental Considerations in the Development of the Atomic Energy Industry" (766) by Arthur E. Gorman
"Fission Products from Nuclear Reactors" (643) by James G. Terrill, Jr., Dade W. Moeller, and Samuel C. Ingraham, II
"Impact of Atomic Development on Growth and Planning of Urban Regions" (832) by Park H. Martin
"Local Government in the Atomic Age" (833) by Harold F. Alderfer
"Prospects for Use of Nuclear Power" (767) by H. W. Huntley
Rt "Sanitary Engineering Aspects of Nuclear Energy: Progress Report of the Committee of the Sanitary Engineering Division on the Sanitary Engineering Aspects of Nuclear Energy" (646) Conrad P. Straub, Chmn
"The Role of the Sanitary Engineer in the Nuclear Energy Program" (749) by Roy J. Morton

BEAMS
"Influence Lines for Moment and Shear in a Continuous Beam" (734) by Anthony Hoadley
"Lateral Buckling of Elastically End-Restrained I Beams" (673) by W. J. Austin, S. Yegian, and T. P. Tung
"Lateral Buckling of Rolled Steel Beams" (797) by R. A. Hechtman, J. S. Hattrup, E. F. Styer, and J. L. Tiedemann

BEAMS
"Natural Frequencies of Continuous Flexural Members" (735) by A. S. Veletsos and N. M. Newmark
"Plastic Deformations of a Beam under Impulsive Loading" (675) by B. A. Cotter and P. S. Symonds
"Shear Deflection of Wide Flange Steel Beams in the Plastic Range" (814) by W. J. Hall and N. M. Newmark
"Stability of Beam Columns Above the Elastic Limit" (692) by Robert L. Ketter
"The Constant Segment Method for the Analysis of Non-Uniform Structural Members" (649) by Walter E. Hanson and Wallace F. Wiley
"Unsymmetrical Bending of Beams with and without Lateral Bracing" (774) by Lev Zetlin and George Winter

BOARD OF DIRECTION
"[illegible]a of Civil Engineers: Need for Reconst[illegible]ion" (858) by L. E. Grinter
"Eo[illegible]n of Civil Engineers: Training for Civil Engineering" (859) by Benjamin A. Whisler
"Survey of Salaries for Civil Engineering Positions" (761) by the Committee on Salaries of the Department of Conditions of Practice

BOLTS
"Tightening High-Strength Bolts" (786) by F. P. Drew

BRIDGES
"Bending Interaction in Suspension Bridges" (652) by Haaren A. Mikiofsky
"Design of the Kingston Bridge over the Hudson River" (681) by W. E. Joyce and C. H. Gronquist
"Impact in Railroad Bridges" (736) by E. J. Ruble
"Lateral Bending of Suspension Bridges" (663) by Cevdet Z. Erzen

CALIFORNIA
"Design Problems--Alamitos Bay Marina" (725) by George F. Nicholson
"Morro Bay Steam Electric Plant" (737) by J. George Thon and Gordon L. Coltrin
"Owens Gorge Project" (738) by Samuel B. Morris
"Proposed Modern Marine Terminal at San Diego" (724) by Joachim E. Liebmann
"Sanitary Fill Practice in Los Angeles County" (688) by John L. Partin
"Setting Water Quality Criteria in California" (698) by Vinton W. Bacon and Charles A. Sweet
"The San Francisco Bay Area Mass Rapid Transit Study" (712) by R. F. Ziegenfelder

CHANNELS
"Channel Depths for Modern Ports" (610) by B. B. Talley
"Graphic Design of Alluvial Channels" (611) by Ning Chien

CITY PLANNING
Clo (835) of "Philadelphia Capital Budget and Program Procedures" (508) See Howland, Charles A.
"Denver's Master Street Plan" (600) by John S. Marshall
Dsc (713) of "History of the City Planning Division of the ASCE" (509) See Alexander, Harry W.
Dsc (713) of "Is Parking a Public Responsibility?" (510) See Froehlich, William R. B.
Dsc (713) of "Philadelphia Capital Budget and Program Procedures" (508) See Howland, Charles A.
"Elementary Principles of Nuclear Power" (768) by John W. Landis
"Environmental Considerations in the Development of the Atomic Energy Industry" (766) by Arthur E. Gorman
"Impact of Atomic Development on Growth and Planning of Urban Regions" (832) by Park H. Martin
"Integration of Local Streets with the Atlanta Expressway System" (603) by Karl A. Bevins
"Is Subsidy Necessary for Adequate Mass Transit?" (710) by Charles E. De Leuw
"Local Government in the Atomic Age" (833) by Harold F. Alderfer
"Organization for Metropolitan Traffic and Transportation Planning" (602) by Charles A. Blessing
"Pittsburgh's Comprehensive Improvement Program" (601) by Park H. Martin
"Planning New Cities: Problems, Techniques and Solutions" (834) by Albert Mayer
"Private Enterprise Can Meet the Parking Demand" (599) by C. T. McGavin
"Prospects for Use of Nuclear Power" (767) by H. W. Huntley
"Some Observations on the Urban Transportation Problem" (769) by Harmer E. Davis
"The Development of the Mission Bay-San Diego River Project" (711) by Glenn A. Rick
"The San Francisco Bay Area Mass Rapid Transit Study" (712) by R. F. Ziegenfelder
"Urban Renewal and the Rebuilding of American Cities" (785) by J. W. Follin
"Water Supply and Sewerage System Planning for Greater Karachi" (770) by Carroll V. Hill and Vance C. Lischer

COLORADO
"Denver's Master Street Plan" (600) by John S. Marshall

COLUMNS
"Lateral Buckling of Eccentrically Loaded I-Columns" (607) by Mario G. Salvadori

CONCRETE
"Calculation of Pressure of Concrete on Forms" (680) by R. Schjödt
"Continuous Prestressing" (588) by Robert B. B. Moorman
"Failure of Plain Concrete under Combined Stresses" (674) by Boris Bresler and Karl S. Pister
"Hydraulic Pressure in Concrete" (742) by T. C. Powers
"Lightweight Aggregates for Structural Concrete" (584) by Adrian Pauw
"Prestressing Practices in Bridge Building" (733) by J. C. Rundlett
Rt "Report of ASCE-ACI Joint Committee on Ultimate Strength Design" (809) Leo H. Corning, Chmn

SUBJECT INDEX

CONSTRUCTION
Clo (856) of "Improving the Load Carrying Capacities of Subgrades" (505) See Noble, Charles M.
Clo (856) of "Structural Success or Failure" (632) See Feld, Jacob
Dsc (758) of "Improving the Load Carrying Capacities of Subgrades" (505) See Noble, Charles M.
"Economics of Pipe Line Financing" (855) by Charles J. Hodge
"Kelly Air Force Base Maintenance Hangar: Construction Features" (854) by W. H. Fasshauer and C. W. Edwards
"Scope of Pipeline Transportation in the United States" (633) by Eldon V. Hunt
"Structural Success or Failure?" (632) by Jacob Feld

CORROSION
"Corrosion and Corrosion Research" (685) by Thomas R. Camp

DAMS
"Boysen Dam Diversion and Outlet Works" (635) by R. W. Whinnerah
"Economy and Safety of Different Types of Concrete Dams" (684) by August E. Komendant
"Engineering Advancements at McNary Project" (639) by Louis E. Rydell and Glenn H. Von Gunten
"McNary Dam--Design from Technical Considerations" (787) by H. L. Drake, G. C. Richardson, H. M. Rigler, and R. A. Schuknecht
"Model Tests, Analytical Computation and Observation of an Arch Dam" (696) by M. Rocha, J. Laginha Serafim, A. F. da Silveira, and J. M. Ressurreição Neto
"Permeability, Pore Pressure and Uplift in Gravity Dams" (700) by Roy W. Carlson
"Photoelastic Analysis of Stress in a Dam Containing a Large Gallery" (693) by R. L. Sanks
"Seepage Forces in a Gravity Dam by Electrical Analogy" (757) by Horace A. Johnson
"Trial Load Analysis of Stresses in Dams" (662) by Otto Pfafstetter

DRAINAGE
Dsc (621) of "Diversion of Canals" (461) See Ismail, Hassan M.
"Ground Water and Drainage Problems of the Weber Basin Project, Utah" (619) by F. M. Warnick and William H. Greenhalgh
"Irrigation and Drainage Problems in Haiti" (729) by George H. Hargreaves
"Pumping Ground Water for Irrigation and Drainage" (618) by Cleve H. Milligan
"Riverbed Degradation Below Large Capacity Reservoirs" (788) by M. Gamal Mostafa

EARTHQUAKES
"Structural Vibrations Produced by Ground Motion" (816) by D. E. Hudson and G. W. Housner

ECONOMICS
"Operation and Maintenance of Irrigation Systems" (623) by Floyd M. Roush

EDUCATION
"Education of Civil Engineers: Need for Reconsideration" (858) by L. E. Grinter
"Education of Civil Engineers: Training for Civil Engineering" (859) by Benjamin A. Whisler

EGYPT
"Scale Model of the Suez Canal" (613) by Paul Blanquet

EROSION
"Flood-Erosion Protection for Highway Fills" (783) by C. J. Posey

FLOODS
"Control of Arroyo Floods at Albuquerque, New Mexico" (801) by Rufus H. Carter, Jr.
"Effect of Floods on Transportation (837) by William H. Hobbs
"Flood Control in the Middle Mississippi" (803) by Walter F. Lawlor
"The 1951 Kansas City Flood" (839) by Keith R. Barney

FLORIDA
"Hydraulic Design of Pump Station 5A Central and Southern Florida Project" (617) by Edwin W. Eden, Jr.
"Salt Water Encroachment into Well Water in the Miami Area" (669) by Earle M. Rader

FOUNDATIONS
"Analysis for Sheet Pile Retaining Walls" (694) by R. E. Richart, Jr.
Clo (656) of "Pile Foundations for Buildings" (385) See Dunham, John W.
Clo (718) of "Modern Procedures for Underground Investigations" (435) See Sowers, George F.
Clo (718) of "Pavlovsky's Theory for Phreatic Line and Slope Stability" (386) See Karpoff, K. P.
Clo (843) of "Foundation Conditions in the Cuyahoga River Valley" (513) See Peck, Ralph B.
Clo (843) of "Safe Loads on Dog-Leg Piles" (475) See Parsons, James D.
Dsc (656) of "Safe Loads on Dog-Leg Piles" (475) See Parsons, James D.
Dsc (657) of "Foundation Conditions in the Cuyahoga River Valley" (513) See Peck, Ralph B.
Dsc (657) of "Foundation Treatment for Earth Dams on Rock" (548) See Thompson, Thomas F.
Dsc (657) of "Some Applications of Geology in Soil Mechanics and Foundation Engineering" (477) See Trask, Parker D.
Dsc (658) of "Foundation Conditions in the Cuyahoga River Valley" (513) See Peck, Ralph B.
Dsc (718) of "Foundation Treatment for Earth Dams on Rock" (548) See Thompson, Thomas F.
"Foundation Conditions in Charleston, S. C." (753) by L. K. Himelright
"Grillage Beams on Elastic Foundation" (771) by Bernard Drapkin
"Shale Foundations for Earth Dams" (609) by Delbert B. Freeman
"The Action of Soft Clay along Friction Piles" (842) by H. B. Seed and L. C. Reese
"Vessels Partially Supported by Soil" (677) by W. A. Boothe, R. T. Gray, and G. Horvay

FRAMES
"A General Method of Analysis of Rigid Frames" (811) by Panagiotis D. Moliotis

FRAMES
"Blast Resistant Building Frames" (695) by Bruce G. Johnston and Archie Mathews
"Multiple Span Gabled Frames" (586) by John D. Griffiths
"Plastic Strength of Steel Frames" (764) by Lynn S. Beedle

GEOLOGY
"The Importance of Fluvial Morphology in Hydraulic Engineering" (745) by E. W. Lane

GEORGIA
"Integration of Local Streets with the Atlanta Expressway System" (603) by Karl A. Bevins

HAITI
"Irrigation and Drainage Problems in Haiti" (729) by George H. Hargreaves

HARBORS
"Development of the Port of Lake Charles, La." (614) by Elmer E. Shutts
"Federal Participation in Small-Craft Harbors" (723) by Lyman A. Markel
"Upper Minneapolis Harbor Development, Minnesota" (802) by L. G. Yoder

HIGHWAYS
Clo (810) of "Performance of Soils Versus Chemical Properties" (499) See Hancock, C. Kinney
"Determining the Required Thickness of Concrete Pavements for Highways" (596) by Joseph Herbert Moore
Dsc (598) of "A Mathematical Examination of Spiraled Compound Curves" (357) See Hickerson, T. F.
Dsc (598) of "Expedient Geometry for the Design of Compound Highway Curves with Connection Spirals" (500) See Schacherl, Robert D.
Dsc (598) of "Highway Bridges on Deep Foundations" (276) See Duclos, Louis
Dsc (598) of "Peak Discharge for Highway Drainage Design" (320) See Izzard, Carl F.
Dsc (598) of "Vertical Sand Drains for Stabilization of Muck-Peat Soil" (351) See Carpenter, J. C.
Dsc (704) of "Expedient Geometry for the Design of Compound Highway Curves with Connection Spirals" (500) See Schacherl, Robert D.
Dsc (704) of "Performance of Soils versus Chemical Properties" (499) See Hancock, C. Kinney
"Flood-Erosion Protection for Highway Fills" (783) by C. J. Posey
"Integration of Local Streets with the Atlanta Expressway System" (603) by Karl A. Bevins
"Manpower Factors in an Augmented Highway Program" (784) by Robert Horonjeff, Norman Kennedy, and Harmer E. Davis
"Rigid Culverts under High Overfills" (823) by R. Robinson Rowe
"Sight Distance at Undercrossings" (597) by Paul Hartman
"The Highway Spiral for Combining Curves of Different Radii" (703) by Paul Hartman
"Traffic Diversion to Toll Roads" (702) by John T. Lynch
"Using Consultants to Expand a Highway Program" (824) by Rex M. Whitton

HYDRAULICS
"A Concept of Lacey's Regime Theory" (620) by Ning Chien
"A More Simplified Venturi Tube" (678) by J. C. Stevens
"A New Approach to Turbulent Boundary Layer Problems" (604) by Donald Ross
"An Experimental Study of Boundary Layer Transition" (796) by H. W. Bennett and Charles A. Lee
"Beach Protection Creates Legal Problems" (631) by Morris N. Lipp
Clo (624) of "Pressure Surge Control at Tracy Pumping Plant" (361) See Parmakian, John
Clo (665) of "Backwater Effects of Open Channel Constrictions" (413) See Tracy, H. J.
Clo (665) of "Estimation of Flood Probabilities" (438) See Beard, Leo R.
Clo (665) of "Morning-Glory Shaft Spillways: Performance Tests on Prototype and Model" (433) See Peterka, Alvin J.
Clo (665) of "Morning-Glory Shaft Spillways: Prototype Behavior" (431) See Bradley, Joseph N.
Clo (665) of "Statistical Theory of Droughts" (439) See Gumbel, E. J.
Clo (709) of "Morning-Glory Shaft Spillways: Determination of Pressure-Controlled Profiles" (432) See Wagner, W. E.
Clo (719) of "Flood Insurance" (483) See Foster, H. Alden
Clo (794) of "Diversion Flow Through Buford Dam Conduits" (535) See Escoffier, Francis F.
Clo (794) of "Equation of the Free-Falling Nappe" (482) See Blaisdell, Fred W.
Clo (794) of "Similarity of Distorted River Models with Movable Bed" (566) See Einstein, H. A.
Clo (794) of "The Present Status of Research on Sediment Transport" (565) See Chien, Ning
Clo (841) of "Hydraulics of the Free Overfall" (564) See Fathy, A.
Clo (841) of "The Box Inlet Drop Spillway and Its Outlet" (534) See Blaisdell, Fred W.
"Computation of Tides and Tidal Currents--United States Practice" (715) by H. A. Einstein and R. A. Fuchs
"Critical Flow Meters (Venturi Flumes) (743) by Armando Balloffet
"Discharge Coefficients for Gates and Valves" (746) by Charles W. Thomas
"Discharge Coefficients for Spillways at TVA Dams" (626) by Kenneth W. Kirkpatrick
Dsc (624) of "Equation of the Free-Falling Nappe" (482) See Blaisdell, Fred W.
Dsc (624) of "Flood Insurance" (483) See Foster, H. Alden
Dsc (624) of "Flow in Open Channels" (466) See Toch, Arthur
Dsc (624) of "Ground Water in the Vermilion River Basin" (490) See Jones, Paul H.
Dsc (624) of "Open Channels with Nonuniform Discharge" (381) See Li, Wen-Hsiung
Dsc (665) of "Backwater Functions by Numerical Integration" (383) See Keifer, Clint J.
Dsc (665) of "The Log Probability Law and its Engineering Applications" (536) See Chow, Ven Te
Dsc (709) of "Diversion Flow Through Buford Dam Conduits" (535) See Escoffier, Francis F.
Dsc (709) of "Similarity of Distorted River Models with Movable Bed" (566) See Einstein, H. A.

HYDRAULICS

Dsc (709) of "The Log-Probability Law and its Engineering Applications" (536)

Dsc (719) of "Hydraulics of the Free Overfall" (564) See Fathy, A.

Dsc (719) of "The Box Inlet Drop Spillway and Its Outlet" (534) See Blaisdell, Fred W.

Dsc (719) of "The Log-Probability La.. and its Engineering Applications" (536) See Chow, Ven Te

Dsc (719) of "The Present Status of Research on Sediment Transport" (565) See Chien, Ning

Dsc (748) of "Effect of Well Screens on Flow into Wells" (365) See Petersen, Jack S.

Dsc (748) of "Hydraulic Model Studies of Martin Dam Draft Tubes" (382) See Kindsvater, Carl E.

Dsc (748) of "The Present Status of Research on Sediment Transport" (565) See Chien, Ning

Dsc (748) of "Tranquil Flow Through Open-Channel Constrictions" (467) See Kindsvater, Carl E.

"Effect of Floods on Transportation" (837) by William H. Hobbs

"Engineering Problems in U. S. Tidal Waterways" (789) by J. H. Douma

"Estuarine Circulation Patterns" (717) by D. W. Pritchard

"Extending Streamflow Data" (826) by W. B. Langbein and C. H. Hardison

"Flood Frequencies Derived from River Forecasting Procedures" (630) by Ralph F. Kresge and Tor J. Nordenson

"Flow Geometry at Straight Drop Spillways" (791) by Walter Rand

"Ground-Water Flow in Relation to a Flooding Stream" (628) by David K. Todd

"Ground Water Phenomena Related to Basin Recharge" (806) by Paul Baumann

"Hydraulic Design of Pump Station 5A Central and Southern Florida Project" (617) by Edwin W. Eden, Jr.

"Hydraulics of Wells" (708) by Dean F. Peterson, Jr.

"Hydrograph Analysis by the Method of Least Squares" (793) by Willard M. Snyder

"Integrating the Equation of Gradually Varied Flow" (838) by Ven Te Chow

"Investigating Ground Water by Applied Geophysics" (625) by David K. Todd

"Lunar-Cycle Measurement of Estuarine Flows" (836) by Irvin M. Ingerson

"Mechanics of Streams with Movable Beds of Fine Sand" (668) by Norman H. Brooks

"Minimum Pressures in Rectangular Bends" (747) by M. B. McPherson and H. S. Strausser

"Modern Methods of Developing Ground-Water Supplies" (627) by R. M. Leggette

"Operation of Whitney Reservoir During the Filling of Power Pool" (790) by Charles Miron

"Rainfall Depth-Duration Relationships" (840) by Herbert M. Corn

"River Surveys in Unmapped Territory" (612) by Gerard H. Matthes

"Salt Water Encroachment into Well Water in the Miami Area" (669) by Earle M. Rader

"Scale Relations among Sand-Bed Rivers Including Models" (667) by Thomas Blench

"Some Effects of Upland Discharge on Estuarine Hydraulics" (792) by Henry B. Simmons

"Streamflow Reactions of a Fire-Damaged Watershed" (629) by J. D. Sinclair and E. L. Hamilton

"Synthesis of Rainfall Inten 'y-Frequency Regimes" (744) by David M. Hershfield, Leonard L. Weiss, and Walter T. Wilson

"The Importance of Fluvial Morphology in Hydraulic Engineering" (745) by E. W. Lane

"The 1951 Kansas City Flood" (839) by Keith R. Barney

"Tidal Computations in Shallow Water" (714) by J. J. Dronkers and J. C. Schonfeld

"Tidal Currents at Inlets in the United States" (716) by Joseph M. Caldwell

"Tide Heights along the Coasts of the United States" (666) by L. P. Disney

HYDROLOGY

"Hydrograph Analysis by the Method of Least Squares" (793) by Willard M. Snyder

"Rainfall Depth-Duration Relationships" (840) by Herbert M. Corn

"Synthesis of Rainfall Intensity-Frequency Regimes" (744) by David M. Hershfield, Leonard L. Weiss, and Walter T. Wilson

IRRIGATION

"A Concept of Lacey's Regime Theory" (620) by Ning Chien

Clo (621) of "Humid Area Soils and Moisture Factors for Irrigation Design" (426) See Larson, Fred H.

Clo (621) of "Use of Colorado River Water in California" (347) See Matthew, Raymond

Clo (808) of "Irrigation Potentialities in Arkansas" (404) See Berg, Paul H.

Dsc (621) of "Factors Influencing Irrigation in Humid Areas" (462) See Quackenbush, Tyler H.

Dsc (621) of "Irrigation Potentialities in Arkansas" (404) See Berg, Paul H.

"General Aspects of Planned Ground Water Utilization" (706) by Robert O. Thomas

"Hydraulic Design of Pump Station 5A Central and Southern Florida Project" (617) by Edwin W. Eden, Jr.

"Hydraulics of Wells" (708) by Dean F. Peterson, Jr.

"Irrigation and Drainage Problems in Haiti" (729) by George H. Hargreaves

"Measurement of Canal Seepage" (728) by A. R. Robinson and Carl Rohwer

"Operation and Maintenance of Irrigation Systems" (623) by Floyd M. Roush

"Pumping Ground Water for Irrigation and Drainage" (618) by Cleve H. Milligan

"The Irrigation Aspects of Ground-Water Development" (707) by H. R. McDonald

"Use and Economy of Concrete Pipe in Irrigation Systems" (622) by A. B. Reeves

"Water Rights in Humid Areas" (705) by Howard T. Critchlow

JOINTS

"A Study of the Behavior of Large I-Section Connections" (659) by J. R. Fuller, T. F. Leahey, and W. H. Munse, Jr.

"Bolted Connections--Research" (650) by W. H. Munse

"High Strength Steel Bolts in Structural Practice" (651) by Mace H. Bell

"Moment-Rotation Characteristics of Column Anchorages" (660) by Charles G. Salmon, Leo Schenker, and Bruce G. Johnston

KANSAS
"Effect of Drought on Kansas Water Supply Practice" (780) by Dwight F. Metzler

LEGAL TOPICS
"Beach Protection Creates Legal Problems" (631) by Morris N. Lipp
"Water Rights in Humid Areas" (705) by Howard T. Critchlow

LOADING
"Probabilities of Traffic Loads on Bridges" (585) by Sven Olof Asplund

LOCKS
"Canal and Locks at Chain of Rocks, Mississippi River" (608) by A. F. Griffin
"Stiffening Lock Gates by Prestressing Diagonals" (804) by Carl L. Shermer

LOUISIANA
"Development of the Port of Lake Charles, La." (614) by Elmer E. Shutts

MAPPING
Clo (730) of "Surveys and Maps for Pipelines" (393) See MacDonald, George E.
"Surveying and Mapping for a Hydro-Electric Development" (731) by D. J. Fraser and A. D. Hartwell
"The Use of Topographic Maps in Highway Location" (844) by C. P. Owens

MECHANICS
"A New Approach to Turbulent Boundary Layer Problems" (604) by Donald Ross
"A Resistor-Network Solution for the Elasto-Plastic Torsion Problem" (671) by J. H. Weiner, M. G. Salvadori, and V. Paschkis
"An Experimental Study of Boundary Layer Transition" (796) by H. W. Bennett and Charles A. Lee
"Analogies Using Non-Identical Equations" (775) by Robert Eugene Uhrig
"Analysis for Sheet Pile Retaining Walls" (694) by F. E. Richart, Jr.
"Blast Resistant Building Frames" (695) by Bruce G. Johnston and Archie Mathews
Clo (776) of "An Experimental Study of Bubbles Moving in Liquids" (387) See Haberman, W. L.
"Dead-Load and Live-Load Moments in Shells of Revolution Built-In into Cylinders" (772) by John V. Huddleston and Mario G. Salvadori
Dsc (606) of "An Experimental Investigation and Limit Analysis of Net Area in Tension" (296) See Brady, W. G.
Dsc (606) of "An Experimental Study of Bubbles Moving in Liquids" (387) See Haberman, W. L.
Dsc (606) of "Deflections of a Circular Beam Out of Its Initial Plane" (375) See Volterra, Enrico
Dsc (606) of "Designing Aluminum Alloy Members for Combined End Load and Bending" (300) See Hill, H. N.
Dsc (606) of "Plastic Deformation of Wide-Flange Beam-Columns" (330) See Ketter, Robert L.
Dsc (606) of "The Development of the Turbulent Boundary Layer on Steep Slopes" (281) See Bauer, William G.
Dsc (776) of "Analog Computers Applied to Elastic-Plastic Systems" (528) See Schenker, Leo
"Elastic Instability of Flat Plates Subjected to Partial Edge Loads" (795) by Lev Zetlin
"Failure of Plain Concrete under Combined Stresses" (674) by Boris Bresler and Karl S. Pister
"Flow into a Well by Electric and Membrane Analogy" (817) by Chong-Hung Zee, Dean F. Peterson, and Robert O. Bock
"Grillage Beams on Elastic Foundation" (771) by Bernard Drapkin
"Impact on Pinjointed Trusses" (605) by Bruno A. Boley and Chi-Chang Chao
"Impulsive Motion of Shear Buildings Including Plasticity and Viscous Damping" (676) by Edward Cohen, Leon S. Levy, and Leonard E. Smollen
"Lateral Buckling of Eccentrically Loaded I-Columns" (607) by Mario G. Salvadori
"Lateral Buckling of Elastically End-Restrained I Beams" (673) by W. J. Austin, S. Yegian, and T. P. Tung
"Lateral Buckling of Rolled Steel Beams" (797) by R. A. Hechtman, J. S. Hattrup, E. F. Styer, and J. L. Tiedemann
"On the Lateral Stability of Multi-Story Bents" (672) by E. F. Masur
"Oscillatory Gravity Waves in Flowing Water" (815) by Turgut Sarpkaya
"Photoelastic Analysis of Stress in a Dam Containing a Large Gallery" (693) by R. L. Sanks
"Plastic Deformations of a Beam under Impulsive Loading" (675) by B. A. Cotter and P. S. Symonds
"Shear Deflection of Wide Flange Steel Beams in the Plastic Range" (814) by W. J. Hall and N. M. Newmark
"Soil Mechanics and Work-Hardening Theories of Plasticity" (798) by D. C. Drucker, R. E. Gibson, and D. J. Henkel
"Stability of Beam Columns Above the Elastic Limit" (692) by Robert L. Ketter
"Strain Measurement Errors in Materials of Low Modulus" (691) by R. C. Dove
"Stresses in Elastic Plates over Flexible Subgrades" (690) by Eric Reissner
"Structural Vibrations Produced by Ground Motion" (816) by D. E. Hudson and G. W. Housner
"Thick Rectangular Plates on an Elastic Foundation" (818) by Daniel Frederick
"Unsymmetrical Bending of Beams with and without Lateral Bracing" (774) by Lev Zetlin and George Winter
"Vessels Partially Supported by Soil" (677) by W. A. Boothe, R. T. Gray, and G. Horvay
"Virtual Mass and Acceleration in Fluids" (670) by T. E. Stelson and F. T. Mavis

MINNESOTA
"Upper Minneapolis Harbor Development, Minnesota" (802) by L. G. Yoder

MISSOURI
"The High-Syphon Circulating Water System for Meramec Plant" (740) by Charles E. Buettner and Paul A. Pickel

MODELS
"A Resistor-Network Solution for the Elasto-Plastic Torsion Problem" (671) by J. H. Weiner, M. G. Salvadori, and V. Paschkis

MODELS
"Analogies Using Non-Identical Equations" (775) by Robert Eugene Uhrig
"Scale Model of the Suez Canal" (613) by Paul Blanquet

NEW MEXICO
"Control of Arroyo Floods at Albuquerque, New Mexico" (801) by Rufus H. Carter, Jr.

PAKISTAN
"Water Supply and Sewerage System Planning for Greater Karachi" (770) by Carroll V. Hill and Vance C. Lischer

PAVEMENTS
"Determining the Required Thickness of Concrete Pavements for Highways" (596) by Joseph Herbert Moore
Rt "The Design of Airfield Overlay Pavements: Progress Report of the Committee on Design of Overlay Pavements of the Air Transport Division" (777) R. Horonjeff, Chmn
"The Effect of Traffic upon Runway Pavement Cross-Section" (720) by Robert Horonjeff and John Hugh Jones

PENNSYLVANIA
"Pittsburgh's Comprehensive Improvement Program" (601) by Park H. Martin

PIPELINES
"Economics of Pipe Line Financing" (855) by Charles J. Hodge
"Scope of Pipeline Transportation in the United States" (633) by Eldon V. Hunt
"Use and Economy of Concrete Pipe in Irrigation Systems" (622) by A. B. Reeves

PLATES
"Elastic Instability of Flat Plates Subjected to Partial Edge Loads" (795) by Lev Zetlin
"Thick Rectangular Plates on an Elastic Foundation" (818) by Daniel Frederick

POLLUTION
"Solving Pollution Problems Through Cooperation" (642) by J. M. Jarrett
"Travel of Pollution in Shoreline Coastal Waters" (781) by Isadore Nusbaum, Harold E. Miller, and Arthur W. Reinhardt

POWER
"Boysen Dam Diversion and Outlet Works" (635) by R. W. Whinnerah
Clo (807) of "Recent Trends in Hydraulic Gate Design" (517) See Buzzell, D. A.
"Design Features of Bear Rivers Hydroelectric Project" (636) by J. Barry Cooke
Dsc (641) of "Engineering Advancements at McNary Project" (639) See Rydell, Louis E.
Dsc (641) of "Recent Trends in Hydraulic Gate Design" (517) See Buzzell, D. A.
Dsc (699) of "Recent Trends in Hydraulic Gate Design" (517) See Buzzell, D. A.
Dsc (699) of "Movements in Structural Concrete at Conowingo Hydro Plant" (308) See Moyer, Stanley
Dsc (699) of "Statistical Review of Dam Construction" (355) See Sutherland, R. A.
"Engineering Advancements at McNary Project" (639) by Louis E. Rydell and Glenn H. Von Gunten
"Hydraulic Pressure in Concrete" (742) by T. C. Powers
"Life Expectancy of Steam Plant Equipment" (640) by John J. Reilly
"McNary Dam--Design from Technical Considerations" (787) by H. L. Drake, G. C. Richardson, H. M. Rigler, and R. A. Schuknecht
"Model Tests, Analytical Computation and Observation of an Arch Dam" (696) by M. Rocha, J. Laginha Serafim, A. F. da Silveira, and J. M. Ressurreicão Neto
"Morro Bay Steam Electric Plant" (737) by J. George Thon and Gordon L. Coltrin
"Owens Gorge Project" (738) by Samuel B. Morris
"Permeability, Pore Pressure and Uplift in Gravity Dams" (700) by Roy W. Carlson
"Principles of Federal Hydro-electric Power Development" (739) by William Whipple, Jr.
"Selection of Installed Capacity at Hydroelectric Power Plants" (697) by Lesher S. Wing and Robert H. Griffin
"Site Development for the E. F. Barrett Power Station" (634) by William Welch, Jr.
"The High-Syphon Circulating Water System for Meramec Plant" (740) by Charles E. Buettner and Paul A. Pickel
"Theory for the Design of Underground Pressure Conduits" (741) by D. J. Bleifuss
"Vibration in Hydroelectric Power Plants" (637) by Samuel Judd
"Waneta Hydroelectric Project" (638) by Alfred F. Samuel, Jr., and Walter Emil Fisher

REPORTS
"Advances in Sewage Treatment in the Period from September 1, 1952 to October 1, 1954: Progress Report of the Committee of the Sanitary Engineering Division on Sewerage and Sewage Treatment" (594) Kerwin L. Mick, Chmn
"Biological Treatment of Highly Alkaline Textile Mill Waste-Sewage Mixture: Progress Report of the Industrial Waste Section of the Sanitary Engineering Research Committee of the Sanitary Engineering Division" (750) Nelson L. Nemerow
"Experiences with a New Type of Dairy Waste Treatment: Progress Report of the Sanitary Engineering Research Committee, Industrial Waste Section" (847) Nelson L. Nemerow, Chmn
"Physical and Chemical Control of Insects: Progress Report of the Sanitary Engineering Research Committee, Public Health Engineering Section" (820) Nelson L. Nemerow, Chmn
"Report of ASCE-ACI Joint Committee on Ultimate Strength Design" (809) Leo H. Corning, Chmn
"Sanitary Engineering Aspects of Nuclear Energy: Progress Report of the Committee of the Sanitary Engineering Division on the Sanitary Engineering Aspects of Nuclear Energy" (646) Conrad P. Straub, Chmn
"Survey of Salaries for Civil Engineering Positions" (761) J. Ellison, Chmn
"The Design of Airfield Overlay Pavements: Progress Report of the Committee on Design of Overlay Pavements of the Air Transport Division" (777) R. Horonjeff, Chmn

REPORTS
"The Effect of Nutrients upon the Rate of Stabilization of Spent Sulfite Liquor in Receiving Waters: Progress Report of the Sanitary Engineering Research Committee, Stream Pollution Section" (821) Nelson L. Nemerow, Chmn

RESERVOIRS
"Operation of Whitney Reservoir During the Filling of Power Pool" (790) by Charles Miron
"Riverbed Degradation Below Large Capacity Reservoirs" (788) by M. Gamal Mostafa

RIVERS
"Canal and Locks at Chain of Rocks, Mississippi River" (608) by A. F. Griffin
"Flood Control in the Middle Mississippi" (803) by Walter F. Lawlor
"Hudson River Water--Its Characteristics and Treatment" (644) by Richard Hazen
"Missouri River Basin Plan in Operation" (800) by Wendell E. Johnson
"Scale Relations among Sand-Bed Rivers Including Models" (667) by Thomas Blench

SANITARY ENGINEERING
"A Preliminary Study of High-Rate Composting" (846) by John S. Wiley and George W. Pearce
"A Study of Filtration Through Uniform Sand Filters" (751) by Joseph Tso-Ti Ling
Clo (689) of "An Experimental Study of Bubbles Moving in Liquids" (387) See Haberman, W. L.
Clo (752) of "Incineration and Alternative Refuse Disposal Processes" (471) See Stone, Ralph
Clo (752) of "New York's Extension of Its Sources to the Delaware" (454) See Kennison, Karl R.
Clo (782) of "Pollution of the Mississippi River near New Orleans" (552) See Macdonald, Frank W.
Clo (822) of "Artificial Precipitation Control" (547) See Linsley, Ray K.
Clo (848) of "Infiltration Galleries" (472) See Stone, Ralph
"Corrosion and Corrosion Research" (685) by Thomas R. Camp
"Design of Treatment Plants for Low Turbidity Water" (591) by Roy H. Ritter
Dsc (595) of "Incineration and Alternative Refuse Disposal Processes" (471) See Stone, Ralph
Dsc (595) of "Reservoir Malaria Control and Sanitation Problems" (399) See Wood, Frank B.
Dsc (595) of "Sewage Aeration Practice in New York City" (307) See Gould, Richard H.
Dsc (595) of "Stabilization of Municipal Refuse by Composting" (302) See McGaughey, P. H.
Dsc (595) of "Twin Opportunities: Conservation and Engineering" (419) See Cottam, Clarence
Dsc (647) of "Incineration and Alternative Refuse Disposal Processes" (471) See Stone, Ralph
Dsc (647) of "Infiltration Galleries" (472) See Stone, Ralph
Dsc (647) of "New York's Extension of Its Sources to the Delaware" (454) See Kennison, Karl R.
Dsc (689) of "Artificial Precipitation Control" (547) See Linsley, Ray K.
Dsc (689) of "Hog Feeding: Report of a Subcommittee of the Committee on Refuse Collection and Disposal of The Sanitary Engineering Division" (496) See Taylor, Henry W.
Dsc (689) of "Pollution of the Mississippi River near New Orleans" (552) See MacDonald, Frank W.
"Effect of Drought on Kansas Water Supply Practice" (780) by Dwight F. Metzler
"Fission Products from Nuclear Reactors" (643) by James G. Terrill, Jr., Dade W. Moeller, and Samuel C. Ingraham, II
"Fundamental Concepts of Rectangular Settling Tanks" (590) by Alfred C. Ingersoll, Jack E. McKee, and Norman H. Brooks
"Ground Water in the Delaware River Valley" (593) by H. C. Barksdale and S. M. Lang
"Hudson River Water--Its Characteristics and Treatment" (644) by Richard Hazen
"Industrial Waste Practice--Some Thoughts for Sanitary Engineers" (779) by John E. Kinney and John C. Bumstead
"Job Opportunities in Sanitary Engineering" (655) by Harvey F. Ludwig
"Photosynthesis in Sewage Treatment" (686) by William J. Oswald and Harold B. Gotaas
Rt "Advances in Sewage Treatment in the Period from September 1, 1952 to October 1, 1954: Progress Report of the Committee of the Sanitary Engineering Division on Sewerage and Sewage Treatment" (594) Kerwin L. Mick, Chmn
Rt "Biological Treatment of Highly Alkaline Textile Mill Waste-Sewage Mixture: Progress Report of the Industrial Waste Section of the Sanitary Engineering Research Committee of the Sanitary Engineering Division" (750)
Rt "Experiences with a New Type of Dairy Waste Treatment: Progress Report of the Sanitary Engineering Research Committee, Industrial Waste Section" (847) Nelson L. Nemerow, Chmn
Rt "Physical and Chemical Control of Insects: Progress Report of the Sanitary Engineering Research Committee, Public Health Engineering Section" (820) Nelson L. Nemerow, Chmn
Rt "Sanitary Engineering Aspects of Nuclear Energy: Progress Report of the Committee of the Sanitary Engineering Division on the Sanitary Engineering Aspects of Nuclear Energy" (646) Conrad P. Straub, Chmn
Rt "The Effect of Nutrients upon the Rate of Stabilization of Spent Sulfite Liquor in Receiving Waters: Progress Report of the Sanitary Engineering Research Committee, Stream Pollution Section" (821) Nelson L. Nemerow, Chmn
"Sand Filtration Studied with Radiotracers" (592) by Donald R. Stanley
"Sanitary Engineers--Their Earnings and Professional Attitudes" (773) by John C. Bumstead and Arthur D. Caster
"Sanitary Fill Practice in Los Angeles County" (688) by John L. Partin
"Sedimentation in Rectangular Basins" (687) by Claes N. H. Fischerstrom
"Setting Water Quality Criteria in California" (698) by Vinton W. Bacon and Charles A. Sweet
"Solving Pollution Problems Through Cooperation" (642) by J. M. Jarrett
"The Removal of Color from TNT Waste" (645) by Gail P. Edwards and William T. Ingram
"The Role of the Sanitary Engineer in the Nuclear Energy Program" (749) by Roy J. Morton
"Travel of Pollution in Shoreline Coastal Waters" (781) by Isadore Nusbaum, Harold E. Miller, and Arthur W. Reinhardt

SEDIMENTATION
"Sedimentation in Rectangular Basins" (687) by Claes N. H. Fischerstrom

SHELLS
"Dead-Load and Live-Load Moments in Shells of Revolution Built-In into Cylinders" (772) by John V. Huddleston and Mario G. Salvadori
"Shell Versus Arch Action in Barrel Shells" (653) by M. G. Salvadori

SOIL MECHANICS
Clo (657) of "Field Penetration Tests for Selection of Sheepsfoot Rollers" (363) See Johnson, S. J.
Clo (658) of "Estimating the True Consolidation Behavior of Clay from Laboratory Test Results" (311) See Schmertmann, John H.
Clo (718) of "Pavlovsky's Theory for Phreatic Line and Slope Stability" (386) See Karpoff, K. P.
Clo (718) of "Soil Problems in the Southern Piedmont Region" (416) See Sowers, George F.
Clo (718) of "Strength Characteristics of Compacted Clays" (360) See Leonards, G. A.
Clo (718) of "Suction Force in Soils upon Freezing" (445) See Jumikis, Alfreds R.
Clo (759) of "Studies of Bearpaw Shale at a Damsite in Saskatchewan" (476) See Peterson, Robert
Clo (843) of "Effect of Sample Disturbance on the Strength of a Caly" (570) See Calhoon, Max L.
Clo (843) of "Exploration Principles for Major Engineering Works" (550) See Judd, W. R.
Dsc (656) of "Studies of Bearpaw Shale at a Damsite in Saskatchewan" (476) See Peterson, Robert
Dsc (656) of "Suction Force in Soils upon Freezing" (445) See Jumikis, Alfreds R.
Dsc (657) of "Engineering Properties of Expansive Clays" (516) See Holtz, W. G.
Dsc (657) of "Exploration Principles for Major Engineering Works" (550) See Judd, W. R.
Dsc (657) of "Some Applications of Geology in Soil Mechanics and Foundation Engineering" (477) See Trask, Parker D.
Dsc (657) of "Studies of Bearpaw Shale at a Damsite in Saskatchewan" (476) See Peterson, Robert
Dsc (658) of "Engineering Properties of Expansive Clays" (516) See Holtz, W. G.
Dsc (658) of "Rock-Fill Dam Design and Construction Problems" (514) See Bleifuss, D. J.
Dsc (718) of "A Large Scale Field Shear Test on a Bentonite Seam" (549) See Thorfinnson, S. T.
Dsc (718) of "Effect of Sample Disturbance on the Strength of a Clay" (570) See Calhoon, Max L.
Dsc (718) of "Effectiveness of Sand Drains on New Jersey Turnpike" (571) See Noble, Charles M.
Dsc (759) of "Engineering Properties of Expansive Clays" (516) See Holtz, W. G.
"Field Vane Shear Tests of Sensitive Cohesive Soils" (755) by Hamilton Gray
"Rock Weathering Classification of Excavation Slopes" (754) by J. D. Welch
"Seepage Forces in a Gravity Dam by Electrical Analogy" (757) by Horace A. Johnson
"Settlement Analysis of Sand Drain Projects" (756) by Edward A. Henderson
"Soil Mechanics and Work-Hardening Theories of Plasticity" (798) by D. C. Drucker, R. E. Gibson, and D. J. Henkel
"Stresses in Elastic Plates over Flexible Subgrades" (690) by Eric Reissner

SOUTH CAROLINA
"Foundation Conditions in Charleston, S. C." (753) by L. K. Himelright

STRUCTURAL ENGINEERING
"A General Method of Analysis of Rigid Frames" (811) by Panagiotis D. Moliotis
"An Analytical Procedure for Calculating Truss Displacements" (732) by Alexander C. Scordelis and Cameron M. Smith
"A Study of the Behavior of Large I-Section Connections" (659) by J. R. Fuller, T. F. Leahey, and W. H. Munse, Jr.
"Analysis of Arches by Finite Differences" (829) by Ephraim G. Hirsch and E. P. Popov
"Analysis of Continuous Structures by Joint Rotation" (679) by Charles T. G. Looney
"Bending in Annular Sections" (683) by Adolphe A. Marrone
"Bending Interaction in Suspension Bridges" (652) by Haaren A. Miklofsky
"Bolted Connections--Research" (650) by W. H. Munse
"Calculation of Pressure of Concrete on Forms" (680) by R. Schjödt
Clo (664) of "Field Data for the Structural Design of Coal Bunkers" (430) See Tachau, Herman
Clo (664) of "Laboratory Tests of High Tensile Bolted Structural Joints" (441) See Munse, W. H.
Clo (682) of "Behavior of Structures Subjected to a Forced Vibration" (451) See Looney, C. T. G.
Clo (682) of "Fatigue in Riveted and Bolted Single Lap Joints" (469) See Carter, J. W.
Clo (701) of "An Engineering Approach to Blast Resistant Design" (306)
Clo (765) of "Non-Uniform Torsion of Plate Girders" (449) See Kubo, Gerald G.
Clo (765) of "Safety and the Probability of Structural Failure" (468) See Freudenthal, A. M.
Clo (765) of "The Vibration of Steel Stacks" (540) See Dickey, Walter L.
Clo (812) of "Moments and Deflections in Steel Grid Bridge Floors" (562) See Greenberg, H. J.
Clo (813) of "An Influence Line Analysis for Suspension Bridges" (558) See Peery, David J.
Clo (813) of "Examples of Timber Structure Failures" (544) See Salgo, Michael N.
Clo (831) of "Resonant Vibration of Steel Stacks" (541) See Dockstader, E. A.
Clo (849) of "The Octagonal Girder Four Column Space Frame" (542) See Disario, P. C.
"Continuous Arches on Elastic Piers" (827) by James Michalos and Darrel D. Girton
"Continuous Prestressing" (588) by Robert B. B. Moorman
"Design of the Kingston Bridge over the Hudson River" (681) by W. E. Joyce and C. H. Gronquist
"Determining Basic Wind Loads" (825) by George F. Collins
Dsc (589) of "Behavior of Structures Subjected to a Forced Vibration" (451) See Looney, Charles T. C.
Dsc (589) of "Examples of Timber Structure Failures" (544) See Salgo, Michael N.
Dsc (589) of "Fatigue in Riveted and Bolted Single Lap Joints" (469) See Carter, J. W.

STRUCTURAL ENGINEERING
Dsc (654) of "Analysis and Tests of a Cylindrical Shell Roof Model" (434) See Thurlimann, Bruno
Dsc (654) of "Safety and the Probability of Structural Failure" (468) See Freudenthal, A. M.
Dsc (661) of "The Octagonal Girder Four Column Space Frame" (542) See Disario, P. C.
Dsc (661) of "The Vibration of Steel Stacks" (540) See Dickey, Walter L.
Dsc (664) of "Foundation Failures in Residences and Small Structures" (561) See Taylor, Karl V.
Dsc (664) of "Resonant Vibration of Steel Stacks" (541) See Dockstader, E. A.
Dsc (664) of "Safety and the Probability of Structural Failure" (468) See Freudenthal, A. M.
Dsc (682) of "Analysis of the Vierendeil Girder by Balancing the Panel Moments" (560) See Diwan, A. F.
Dsc (682) of "Frequency of Maximum Wind Speeds" (539) See Thom, H. C. S.
Dsc (682) of "The Octagonal Girder Four Column Space Frame" (542) See Disario, P. C.
Dsc (701) of "An Influence Line Analysis for Suspension Bridges" (558) See Peery, David J.
Dsc (701) of "Examples of Timber Structure Failures" (544) See Salgo, Michael N.
Dsc (701) of "Moments and Deflections in Steel Grid Bridge Floors" See Greenberg, H. J.
"Economy and Safety of Different Types of Concrete Dams" (684) by August E. Komendant
"Elasti-Plastic Design of Single-Span Beams and Frames" (851) by Herbert A. Sawyer, Jr.
"High Strength Steel Bolts in Structural Practice" (651) by Mace H. Bell
"Impact in Railroad Bridges" (736) by E. J. Ruble
"Influence Lines for Moment and Shear in a Continuous Beam" (734) by Anthony Hoadley
"Introduction to Semi-Rigid Determinate Polygonal Trusses" (828) by Alexander H. Kenigsberg
"Investigation of Floorbeam Hangers in Railroad Trusses" (762) by C. H. Sandberg
"Kelly Air Force Base Maintenance Hangar: Engineering Design Features" (853) by N. H. Aslanian
"Kelly Air Force Base Maintenance Hangar: Planning" (852) by Louis A. Nees
"Lateral Bending of Suspension Bridges" (663) by Cevdet Erzen
"Lightweight Aggregates for Structural Concrete" (584) by Adrian Pauw
"Load Test of a Diagonally Sheathed Timber Building" (830) by J. Morley English and C. Franklin Knowlton, Jr.
"Moment-Rotation Characteristics of Column Anchorages" (660) by Charles G. Salmon, Leo Schenker, and Bruce G. Johnston
"Multiple Span Gabled Frames" (586) by John D. Griffiths
"Natural Frequencies of Continuous Flexural Members" (735) by A. S. Veletsos and N. M. Newmark
"On the Lateral Stability of Multi-Story Bents" (672) by E. F. Masur
"Plastic Strength of Steel Frames" (764) by Lynn S. Beedle
"Prestressing Practices in Bridge Building" (733) by J. C. Rundlett
"Probabilities of Traffic Loads on Bridges" (585) by Sven Olof Asplund
Rt "Report of ASCE-ACI Joint Committee on Ultimate Strength Design" (809) Leo H. Corning, Chmn
"Sequence Summation Factors" (763) by Adrian Pauw
"Shell Versus Arch Action in Barrel Shells" (653) by M. G. Salvadori
"Some Wind Tunnel Design Problems" (850) by W. K. Cook
"Structural Success or Failure?" (632) by Jacob Feld
"The Constant Segment Method for the Analysis of Non-Uniform Structural Members" (649) by Walter E. Hanson and Wallace F. Wiley
"Theory for the Design of Underground Pressure Conduits" (741) by D. J. Bleifuss
"Tightening High-Strength Bolts" (786) by F. P. Drew
"Trial Load Analysis of Stresses in Dams" (662) by Otto Pfafstetter
"Trussed Diaphragm in a Rigid Bent System" (648) by Mortimer Margolin
"Ultimate Slopes and Deflections--A Brief for Limit Design" (583) by George C. Ernst
"Wind Loads on Girder Bridges" (587) by John M. Biggs, Saul Namyet, and Jiro Adachi

SURVEYING
"A New Look at the Specifications for Federal Geodetic Control" (722) by Robert H. Randall
Clo (730) of "Surveys and Maps for Pipelines" (393) See MacDonald, George E.
Clo (845) of "A Geometric Problem in Traveling Crane Track Alignment" (575) See Oliver, J. E.
Clo (845) of "Aerial Surveys for Reservoir Planning" (407) See Guscio, Francis J.
Dsc (730) of "A Geometric Problem in Traveling Crane Track Alignment" (575) See Oliver, J. E.
Dsc (730) of "An Industry Puts the Tex Coordinate System to Work" (580) See Cooper, H. P.
"Some Aspects of Electronic Surveying in Offshore Areas" (857) by G. A. Roussel
"Surveying and Mapping for a Hydro-Electric Development" (731) by D. J. Fraser and A. D. Hartwell
"The Highway Spiral for Combining Curves of Different Radii" (703) by Paul Hartman

TANKS
"Fundamental Concepts of Rectangular Settling Tanks" (590) by Alfred C. Ingersoll, Jack E. McKee, and Norman H. Brooks
"Discharge Coefficients for Spillways at TVA Dams" (626) by Kenneth W. Kirkpatrick
"Operation of Whitney Reservoir During the Filling of Power Pool" (790) by Charles Miron

TIDES
"Computation of Tides and Tidal Currents--United States Practice" (715) by H. A. Einstein and R. A. Fuchs
"Engineering Problems in U. S. Tidal Waterways" (789) by J. H. Douma
"Estuarine Circulation Patterns" (717) by D. W. Pritchard
"Lunar-Cycle Measurement of Estuarine Flows" (836) by Irvin M. Ingerson

TIDES
"Some Effects of Upland Discharge on Estuarine Hydraulics" (792) by Henry B. Simmons
"Tidal Computations in Shallow Water" (714) by J. J. Dronkers and J. C. Schonfeld
"Tidal Currents at Inlets in the United States" (716) by Joseph M. Caldwell

TRANSPORTATION
"Is Subsidy Necessary for Adequate Mass Transit?" (710) by Charles E. De Leuw
"Organization for Metropolitan Traffic and Transportation Planning" (602) by Charles A. Blessing
"Some Observations on the Urban Transportation Problem" (769) by Harmer E. Davis
"The San Francisco Bay Area Mass Rapid Transit Study" (712) by R. F. Ziegenfelder
"Transport Helicopter Cost and Heliport Considerations" (778) by F. David Schnebly

TRUSSES
"An Analytical Procedure for Calculating Truss Displacements" (732) by Alexander C. Scordelis and Cameron M. Smith
"Impact on Pinjointed Trusses" (605) by Bruno A. Boley and Chi-Chang Chao
"Introduction to Semi-Rigid Determinate Polygonal Trusses" (828) by Alexander H. Kenigsberg
"Investigation of Floorbeam Hangers in Railroad Trusses" (762) by C. H. Sandberg
"Trussed Diaphragm in a Rigid Bent System" (648) by Mortimer Margolin

UTAH
"Ground Water and Drainage Problems of the Weber Basin Project, Utah" (619) by F. M. Warnick and William H. Greenhalgh

WATER SUPPLIES
"Design of Treatment Plants for Low Turbidity Water" (591) by Roy H. Ritter
"Effect of Drought on Kansas Water Supply Practice" (780) by Dwight F. Metzler
"Ground-Water Flow in Relation to a Flooding Stream" (628) by David K. Todd
"Ground Water in the Delaware River Valley" (593) by H. C. Barksdale and S. M. Lang
"Investigating Ground Water by Applied Geophysics" (625) by David K. Todd
"Modern Methods of Developing Ground-Water Supplies" (627) by R. M. Leggette
"Salt Water Encroachment into Well Water in the Miami Area" (669) by Earle M. Rader
"Sand Filtration Studied with Radiotracers" (592) by Donald R. Stanley
"Setting Water Quality Criteria in California" (698) by Vinton W. Bacon and Charles A. Sweet
"Streamflow Reactions of a Fire-Damaged Watershed" (629) by J. D. Sinclair and E. L. Hamilton
"Water Supply and Sewerage System Planning for Greater Karachi" (770) by Carroll V. Hill and Vance C. Lischer

WATERWAYS
"Beach Rehabilitation by Fill and Nourishment" (616) by Jay V. Hall, Jr., and George M. Watts
"Canal and Locks at Chain of Rocks, Mississippi River" (608) by A. F. Griffin
"Channel Depths for Modern Ports" (610) by B. B. Talley
"Control of Arroyo Floods at Albuquerque, New Mexico" (801) by Rufus H. Carter, Jr.
"Design Problems--Alamitos Bay Marina" (725) by George F. Nicholson
"Development of the Port of Lake Charles, La." (614) by Elmer E. Shutts
Dsc (726) of "Development of the Delaware River for Commerce" (503) See Talley, B. B.
"Federal Participation in Small-Craft Harbors" (723) by Lyman A. Markel
"Flood Control in the Middle Mississippi" (803) by Walter F. Lawlor
"Flood Frequencies Derived from River Forecasting Procedures" (630) by Ralph F. Kresge and Tor J. Nordenson
"Graphic Design of Alluvial Channels" (611) by Ning Chien
"Missouri River Basin Plan in Operation" (800) by Wendell E. Johnson
"Modern Design of General Cargo Marine Terminals" (615) by Frank W. Herring
"Proposed Modern Marine Terminal at San Diego" (724) by Joachim E. Liebmann
"Protection of Subsiding Waterfront Properties" (805) by Robert R. Shoemaker
"River Surveys in Unmapped Territory" (612) by Gerard H. Matthes
"Scale Model of the Suez Canal" (613) by Paul Blanquet
"Shale Foundations for Earth Dams" (609) by Delbert B. Freeman
"Stiffening Lock Gates by Prestressing Diagonals" (804) by Carl L. Shermer
"The Design of Piers, Jetties, and Dolphins" (727) by David A. Hopkins
"Upper Minneapolis Harbor Development, Minnesota" (802) by L. G. Yoder

WAVES
"Oscillatory Gravity Waves in Flowing Water" (815) by Turgut Sarpkaya

WIND
"Determining Basic Wind Loads" (825) by George F. Collins
"Wind Loads on Girder Bridges" (587) by John M. Biggs, Saul Namyet, and Jiro Adachi

Author Index

ADACHI, JIRO
See Biggs, John M. (587)

AHMAD, NAZIR
See Nazir, Mohammad (748)

ALBERTSON, MAURICE L.
See Petersen, Jack S. (748)

ALDERFER, HAROLD F.
"Local Government in the Atomic Age" (833)

ALEXANDER, G. N.
Dsc (709) with A. Karoly of "The Log-Probability Law and its Engineering Applications" (536)

ALEXANDER, HARRY W.
Dsc of 509: George H. Herrold (713)

ALSPAUGH, T. A.
See Souther, R. H. (848)

ALTMEYER, WILLIAM T.
Dsc (658) of "Engineering Properties of Expansive Clays" (516)

AMIN, MAHMOUD SHAARAWI
See Fathy, A. (841)

ANDERSON, ARTHUR R.
Dsc (849) of "Prestressing Practices in Bridge Building" (733)

ANDERSON, BOYD G.
Dsc (654) of "Analysis and Tests of a Cylindrical Shell Roof Model" (434)

APFEL, EARL T.
Dsc (657) with Louis J. Goodman of "Some Applications of Geology in Soil Mechanics and Foundation Engineering" (477)

ARCHER, J.
Dsc (776) with A. Lange of "Analog Computers Applied to Elastic-Plastic Systems" (528)

ASLANIAN, N. H.
"Kelly Air Force Base Maintenance Hangar: Engineering Design Features" (853)

ASPLUND, SVEN OLOF
"Probabilities of Traffic Loads on Bridges" (585)

AUSTIN, W. J.
"Lateral Buckling of Elastically End-Restrained I Beams" (673) with S. Yegian and T. P. Tung

BACON, VINTON W.
"Setting Water Quality Criteria in California" (698) with Charles A. Sweet

BAKER, EDWARD C.
Dsc (658) of "Foundation Conditions in the Cuyahoga River Valley" (513)

BAINES, W. DOUGLAS
Dsc (776) of "A New Approach to Turbulent Boundary Layer Problems" (604)

BALLOFFET, ARMANDO
"Critical Flow Meters (Venturi Flumes) (743)

BARBER, EDWARD S.
Dsc (658) of "Engineering Properties of Expansive Clays" (516)
See Carpenter, J. C. (598)

BARKER, C. L.
See Roberson, J. A. (606)

BARKSDALE, H. C.
"Ground Water in the Delaware River Valley" (593) with S. M. Lang

BARNEY, KEITH R.
"The 1951 Kansas City Flood" (839)

BARTON, JAMES R.
Dsc (841) of "Mechanics of Streams with Movable Beds of Fine Sand" (668)

BASTOW, JOSEPH G.
"Future Development of the Metropolitan Oakland International Airport" (721)

BAUER, W. J.
Dsc (776) of "A New Approach to Turbulent Boundary Layer Problems" (604)

BAUER, WILLIAM J.
Dsc of 281: G. Halbronn (606)
Clo (606) of "The Development of the Turbulent Boundary Layer on Steep Slopes" (281)

BAUMANN, PAUL
"Ground Water Phenomena Related to Basin Recharge" (806)

BEARD, LEO R.
Dsc (665) with H. A. Keith of "The Log Probability Law and its Engineering Applications" (536)
Clo (665) of "Estimation of Flood Probabilities" (438)

BEEDLE, LYNN S.
"Plastic Strength of Steel Frames" (764)
See Ketter, Robert L. (606)

BELL, MACE H.
"High Strength Steel Bolts in Structural Practice" (651)
Dsc of 651: W. Hansen (812)

BENNETT, H. W.
"An Experimental Study of Boundary Layer Transition" (796) with Charles A. Lee

BENNETT, PRESTON T.
Dsc (718) with Paul E. Wohlt of "A Large Scale Field Shear Test on a Bentonite Seam" (549)

BERESFORD, F. D.
See Blakey, Frank A. (776)

BERG, PAUL H.
Dsc of 404: C. O. Clark (621)

BERG, PAUL H.
Clo (808) of "Irrigation Potentialities in Arkansas" (404)

BERTLE, F. A.
Dsc (665) of "The Log Probability Law and its Engineering Applications" (536)

BESSELIEVRE, EDMUND B.
Dsc (822) of "Industrial Waste Practice--Some Thoughts for Sanitary Engineers" (779)

BEVINS, KARL A.
"Integration of Local Streets with the Atlanta Expressway System" (603)

BIGGS, JOHN M.
"Wind Loads on Girder Bridges" (587) with Saul Namyet and Jiro Adachi

BIGLER, W. D.
Dsc (682) of "Analysis of the Vierendeel Girder by Balancing the Panel Moments" (560)

BIJLAARD, P. P.
Dsc (606) of "An Experimental Investigation and Limit Analysis of Net Area in Tension" (296)

BLAISDELL, FRED W.
Dsc of 482: Walter Rand; and John C. Harrold (624)
Dsc of 534: Neal E. Minshall (719)
Clo (794) of "Equation of the Free-Falling Nappe" (482)
Clo (841) with Charles A. Donnelly of "The Box Inlet Drop Spillway and Its Outlet" (534)
Dsc (748) of "Tranquil Flow Through Open-Channel Constrictions" (467)

BLAKEY, FRANK A.
Dsc (776) with F. D. Beresford of "Failure of Plain Concrete under Combined Stresses" (674)

BLANQUET, PAUL
"Scale Model of the Suez Canal" (613)

BLEIFUSS, D. J.
"Theory for the Design of Underground Pressure Conduits" (741)
Dsc of 514: I. Steele (658)

BLENCH, THOMAS
"Scale Relations among Sand-Bed Rivers Including Models" (667)
Dsc of 667: Hans Albert Einstein (794)

BLENCH, T.
Dsc (709) of "Similarity of Distorted River Models with Movable Bed" (566)
Dsc (719) of "The Present Status of Research on Sediment Transport" (565)
Dsc (726) of "Graphic Design of Alluvial Channels" (611)
Dsc (748) of "Mechanics of Streams with Movable Beds of Fine Sand" (668)
Dsc (808) of "A Concept of Lacey's Regime Theory" (620)

BLESSING, CHARLES A.
"Organization for Metropolitan Traffic and Transportation Planning" (602)

BOCK, ROBERT O.
See Zee, Chong-Hung (817)

BOLEY, BRUNO A.
"Impact on Pinjointed Trusses" (605) with Chi-Chang Chao

BOOTHE, W. A.
"Vessels Partially Supported by Soil" (677) with R. T. Gray and G. Horvay
Corr (799) with R. T. Gray and G. Horvay of "Vessels Partially Supported by Soil" (677)

BORELI, MLADEN
Corr (606) to dsc (396) of "Applications of the Relaxation Technique in Fluid Mechanics" (223)

BOWERMAN, F. R.
See Stone, Ralph (752)

BRADLEY, JOSEPH N.
Clo (665) of "Morning-Glory Shaft Spillways: Prototype Behavior" (431)

BRADY, W. G.
Dsc of 296: W. H. Munse and P. P. Bijlaard (606)
Clo (606) with D. C. Drucker of "An Experimental Investigation and Limit Analysis of Net Area in Tension" (296)

BRESLER, BORIS
"Failure of Plain Concrete under Combined Stresses" (674) with Karl S. Pister
Dsc of 674: Paul Rice; and Frank A. Blakey and F. D. Beresford (776)

BROOKS, NORMAN H.
"Mechanics of Streams with Movable Beds of Fine Sand" (668)
Dsc of 668: T. Blench (748)
Dsc of 668: James R. Barton; H. A. Einstein and Ning Chien; E. J. Carlson and M. Gamal Mostafa; Hsin-Kuan Liu; and Pin-Nam Lin (841)
See Ingersoll, Alfred C. (590)

BUCKINGHAM, EARL M.
Dsc (843) with Frank G. Cheney of "Settlement Analysis of Sand Drain Projects" (756)

BUETTNER, CHARLES E.
"The High-Syphon Circulating Water System for Meramec Plant" (740) with Paul A. Pickel
Dsc of 740: R. T. Richards and E. A. Rudolph (807)

BUMSTEAD, JOHN C.
"Sanitary Engineers--Their Earnings and Professional Attitudes" (773) with Arthur D. Caster
See Kinney, John E. (779)

BUZZELL, D. A.
Dsc of 517: A. Streiff (641)
Dsc of 517: G. R. Latham, W. G. H. Holt, K. S. Chetty, and W. G. Webber (699)
Clo (807) of "Recent Trends in Hydraulic Gate Design" (517)

CALDWELL, JOSEPH M.
"Tidal Currents at Inlets in the United States" (716)

CALDWELL, JOSEPH M.
Dsc (799) of "Virtual Mass and Acceleration in Fluids" (670)

CALHOON, MAX L.
Dsc of 570: John H. Schmertmann (718)
Clo (843) of "Effect of Sample Disturbance on the Strength of a Clay" (570)

CAMP, THOMAS R.
"Corrosion and Corrosion Research" (685)
Dsc of 685: Edward W. Moore (822)
Dsc (689) of "Fundamental Concepts of Rectangular Settling Tanks" (590)
Dsc (752) of "Sand Filtration Studied with Radiotracers" (592)
Dsc (822) of "Sedimentation in Rectangular Basins" (687)

CARLSON, E. J.
Dsc (841) with M. Gamal Mostafa of "Mechanics of Streams with Movable Beds of Fine Sand" (668)

CARLSON, ROY W.
"Permeability, Pore Pressure and Uplift in Gravity Dams" (700)
Dsc of 700: Bryant Mather (807)

CARPENTER, J. C.
Clo (598) with E. S. Barber of "Vertical Sand Drains for Stabilization of Muck-Peat Soils" (351)

CARSTENS, M. R.
Corr (606) with John Roberson to dsc (396) of "Mechanics of Manifold Flow" (258)
Dsc (719) with R. W. Carter of "Hydraulics of the Free Overfall" (564)

CARTER, J. W.
Dsc of 469: Glenn B. Woodruff, Karl de Vries, and Harry C. Prince (589)
Clo (682) with K. H. Lenzen and L. T. Wyly of "Fatigue in Riveted and Bolted Single Lap Joints" (469)

CARTER, ROLLAND W.
See Carstens, M. R. (719)
See Kindsvater, Carl E. (748)
See Tracy, H. J. (665)

CARTER, RUFUS H., JR.
"Control of Arroyo Floods at Albuquerque, New Mexico" (801)

CASAGRANDE, ARTHUR
Dsc (657) of "Foundation Conditions in the Cuyahoga River Valley" (513)

CASTER, ARTHUR D.
See Bumstead, John C. (773)

CHANG, F. K.
Dsc (701) of "Moments and Deflections in Steel Grid Bridge Floors" (562)

CHANG, I. C.
Dsc (589) of "Behavior of Structures Subjected to a Forced Vibration" (451)

CHAO, CHI-CHANG
See Boley, Bruno A. (605)

CHENEY, FRANK G.
See Buckingham, Earl M. (843)

CHERNIACK, NATHAN
Dsc (713) of "Is Parking a Public Responsibility?" (510)

CHETTY, K. S.
Dsc (699) of "Recent Trends in Hydraulic Gate Design" (517)

CHIBARO, A.
Dsc (654) of "Safety and the Probability of Structural Failure" (468)

CHIEN, NING
"A Concept of Lacey's Regime Theory" (620)
"Graphic Design of Alluvial Channels" (611)
Dsc of 565: T. Blench; Jan M. Jordaan; J. M. Lara; Navinchandra L. Rupani and John B. Stall (719)
Dsc of 565: Hsin-Kuan Liu (748)
Dsc of 611: T. Blench (726)
Dsc of 611: E. W. Lane (760)
Dsc of 620: Gerald Lacey, E. W. Lane, and T. Blench (808)
Clo (794) with H. A. Einstein of "The Present Status of Research on Sediment Transport" (565)
Clo (808) with H. A. Einstein of "A Concept of Lacey's Regime Theory" (620)
See Einstein, H. A. (841)

CHOW, VEN TE
"Integrating the Equation of Gradually Varied Flow" (838)
Dsc of 536: Leo R. Beard and H. A. Keith; E. J. Gumbel; J. F. McIlwraith; F. A. Bertle; Ralph W. Powell; and William H. Sammons (665)
Dsc of 536: Shigehisa Iwai; R. D. Goodrich; H. Alden Foster; G. N. Alexander and A. Karoly (709)
Dsc of 536: Shuh-Chai Lee (719)

CHU, HENRY HSIEN
See Keifer, Clint J. (665)

CHU, KUANG-HAN
Dsc (701) of "Moments and Deflections in Steel Grid Bridge Floors" (562)

CLARK, C. O.
Dsc (621) of "Irrigation Potentialities in Arkansas" (404)

CLARK, J. W.
See Hill, H. N. (606)

CLIFTON, C. H.
Dsc (664) of "Foundation Failures in Residences and Small Structures" (561)

COHEN, EDWARD
"Impulsive Motion of Shear Buildings Including Plasticity and Viscous Damping" (676) with Leon S. Levy and Leonard E. Smollen

COLLINS, ARTHUR L.
Dsc (748) of "Effect of Well Screens on Flow into Wells" (365)

COLLINS, GEORGE F.
"Determining Basic Wind Loads" (825)

COLTRIN, GORDON L.
See Thon, J. George (737)

CONWELL, WILLIAM A.
Dsc (589) of "Behavior of Structures Subjected to a Forced Vibration" (451)

COOK, W. K.
"Some Wind Tunnel Design Problems" (850)

COOKE, J. BARRY
"Design Features of Bear River Hydroelectric Project" (636)

COOPER, H. P.
Dsc of 580: Harry A. Seran (730)

CORN, HERBERT M.
"Rainfall Depth-Duration Relationships" (840)

CORNING, LEO H.
Rt "Report of ASCE-ACI Joint Committee on Ultimate Strength Design" (809)

CORSO, JOSE M.
Dsc (664) of "Safety and the Probability of Structural Failure" (468)

COTTAM, CLARENCE
Dsc of 419: Clarence S. Jarvis (595)

COTTER, B. A.
"Plastic Deformations of a Beam under Impulsive Loading" (675) with P. S. Symonds

CRITCHLOW, HOWARD T.
"Water Rights in Humid Areas" (705)

CUMMINGS, A. E.
Dsc (656) of "Safe Loads on Dog-Leg Piles" (475)

DA SILVEIRA, A. F.
See Rocha, M. (696)

DAVIS, HARMER E.
"Some Observations on the Urban Transportation Problem" (769)
See Horonjeff, Robert (784)

DAWSON, RAYMOND F.
Dsc (657) of "Engineering Properties of Expansive Clays" (516)

de LARA, G. COHEN
Dsc (748) of "Effect of Well Screens of Flow into Wells" (365)

DE LEUW, CHARLES E.
"Is Subsidy Necessary for Adequate Mass Transit?" (710)
Dsc of 710: E. L. Tennyson (835)

DE NEUFVILLE, ALBERT
Dsc (704) of "Determining the Required Thickness of Concrete Pavements for Highways" (596)

DE VRIES, KARL
Dsc (589) of "Fatigue in Riveted and Bolted Single Lap Joints" (469)

DICKEY, WALTER L.
Dsc of 540: Richard Jenney; John N. Pirok; George S. Vincent; R. H. Sherlock; W. Watters Pagon; and F. B. Farquharson (661)
Clo (765) with Glenn B. Woodruff of "The Vibration of Steel Stacks" (540)
Corr (765) with Glenn B. Woodruff to "The Vibration of Steel Stacks" (540)

DISARIO, P. C.
Dsc of 542: A. F. Diwan (661)
Dsc of 542: Sidney Shore and Humberto Rincon (682)
Clo (849) with J. S. Podolan and N. A. Weil of "The Octagonal Girder Four Column Space Frame" (542)

DISNEY, L. P.
"Tide Heights along the Coasts of the United States" (666)

DIWAN, A. F.
Dsc of 560: W. D. Bigler and W. A. Krajewski (682)
Dsc (661) of "The Octagonal Girder Four Column Space Frame" (542)
Dsc (765) of "Continuous Prestressing" (588)
Dsc (765) of "Multiple Span Gabled Frames" (586)
Dsc (765) of "Ultimate Slopes and Deflections--A Brief for Limit Design" (583)

DOCKSTADER, E. A.
Dsc of 541: Cedric Marsh (664)
Clo (831) with W. F. Swiger and E. Ireland of "Resonant Vibration of Steel Stacks" (541)

DONNELLY, CHARLES A.
See Blaisdell, Fred W. (841)

DOUMA, J. H.
"Engineering Problems in U. S. Tidal Waterways" (789)

DOVE, R. C.
"Strain Measurement Errors in Materials of Low Modulus" (691)

DOWDELL, R. B.
Dsc (794) of "A More Simplified Venturi Tube" (678)

DRAKE, H. L.
"McNary Dam--Design from Technical Considerations" (787) with G. C. Richardson, H. M. Rigler, and R. A. Schuknecht

DRAPKIN, BERNARD
"Grillage Beams on Elastic Foundation" (771)

DREW, F. P.
"Tightening High-Strength Bolts" (786)
Dsc of 786: Adrian Pauw (831)

DRONKERS, J. J.
"Tidal Computations in Shallow Water" (714) with J. C. Schonfeld
Dsc of 714: G. B. Fenwick (841)

DRUCKER, D. C.
"Soil Mechanics and Work-Hardening Theories of Plasticity" (798) with R. E. Gibson and D. J. Henkel
See Brady, W. G. (606)

DuBOSE, LAWRENCE A.
Dsc (658) of "Engineering Properties of Expansive Clays" (516)

DUCLOS, LOUIS
Dsc of 276: Arthur V. Walker (598)

DUNHAM, JOHN W.
Clo (656) of "Pile Foundations for Buildings" (385)

EDEN, EDWIN W., JR.
"Hydraulic Design of Pump Station 5A Central and Southern Florida Project" (617)

EDWARDS, C. W.
See Fasshauer, W. H. (854)

EDWARDS, GAIL P.
"The Removal of Color from TNT Waste" (645) with William T. Ingram
Dsc of 645: Ralph Stone (782)
Clo (848) with William T. Ingram of "The Removal of Color from TNT Waste" (645)

EINSTEIN, HANS ALBERT
"Computation of Tides and Tidal Currents--United States Practice" (715) with R. A. Fuchs
Dsc of 566: T. Blench (709)
Clo (794) of "Similarity of Distorted River Models with Movable Bed" (566)
Dsc (794) of "Scale Relations Among Sand-Bed Rivers Including Models" (667)
Dsc (841) with Ning Chien of "Mechanics of Streams with Movable Beds of Fine Sand" (668)
See Chien, Ning (794)
See Chien, Ning (808)

ELLISON, ROBERT J.
Rt "Survey of Salaries for Civil Engineering Positions" (761)

ENEY, WILLIAM J.
See Kubo, Gerald G. (765)

ENGLISH, J. MORLEY
"Load Test of a Diagonally Sheathed Timber Building" (830) with C. Franklin Knowlton, Jr.

ERNST, GEORGE C.
"Ultimate Slopes and Deflections--A Brief for Limit Design" (583)
Dsc of 583: A. Diwan (765)
Clo (813) of "Ultimate Slopes and Deflections--A Brief for Limit Design" (583)
Dsc (654) of "Analysis and Tests of a Cylindrical Shell Roof Model" (434)

ERZEN, CEVDET
"Lateral Bending of Suspension Bridges" (663)
Dsc of 663: A. Selberg (813)
Clo (813) of "Lateral Bending of Suspension Bridges" (663)

ESCOFFIER, FRANCIS F.
Dsc of 535: Harold Tults (709)
Clo (794) of "Diversion Flow Through Buford Dam Conduits" (535)
Dsc (665) of "Backwater Functions by Numerical Integration" (383)

FARQUHARSON, F. B.
Dsc (661) of "The Vibration of Steel Stacks" (540)

FASSHAUER, W. H.
"Kelly Air Force Base Maintenance Hangar: Construction Features" (854) with C. W. Edwards

FATHY, A.
Dsc of 564: Herman J. Koloseus, and M. R. Carstens and R. W. Carter (719)
Clo (841) with Mahmoud Shaarawi Amin of "Hydraulics of the Free Overfall" (564)

FELD, JACOB
"Structural Success or Failure?" (632)
Dsc of 632: Glenn B. Woodruff, Bryant Mather, and Thomas C. Kavanagh (758)
Clo (856) of "Structural Success or Failure?" (632)

FENSKE, CARL W.
Dsc (843) of "Field Vane Shear Tests of Sensitive Cohesive Soils" (755)

FENWICK, G. B.
Dsc (841) of "Tidal Computations in Shallow Water" (714)

FISCH, J.
Dsc (641) of "Engineering Advancements at McNary Project" (639)

FISCHERSTROM, CLAES N. H.
"Sedimentation in Rectangular Basins" (687)
Dsc of 687: Thomas R. Camp (822)

FISHER, WALTER EMIL
See Samuel, Alfred F. Jr. (638)

FLUHR, THOMAS W.
Dsc (657) of "Exploration Principles for Major Engineering Works" (550)
Dsc (657) of "Foundation Treatment for Earth Dams on Rock" (548)

FOLLIN, J. W.
"Urban Renewal and the Rebuilding of American Cities" (785)

FOSTER, EDGAR E.
Dsc (624) of "Flood Insurance" (483)

FOSTER, H. ALDEN
Dsc of 483: Edgar E. Foster; C. J. Posey; and and Robert Lee Smith (624)
Clo (719) of "Flood Insurance" (483)
Dsc (709) of "The Log-Probability Law and its Engineering Applications" (536)

FRANCIOSI, VINCENZO
Dsc (701) of "An Influence Line Analysis for Suspension Bridges" (558)

FRASER, D. J.
"Surveying and Mapping for a Hydro-Electric Development" (731) with A. D. Hartwell

FREDERICK, DANIEL
"Thick Rectangular Plates on an Elastic Foundation" (818)

FREEMAN, DELBERT B.
"Shale Foundations for Earth Dams" (609)

FREUDENTHAL, A. M.
Dsc of 468: A. Chibaro (654)
Dsc of 468: Lloyd S. Lawrence; Oliver G. Julian; Jose M. Corso; and A. R. Gierasch (664)
Clo (765) of "Safety and the Probability of Structural Failure" (468)

FROEHLICH, WILLIAM R. B.
Dsc of 510: George H. Herrold, and Nathan Cherniack (713)

FUCHS, R. A.
See Einstein, H. A. (715)

FUCIK, E. MONTFORD
Dsc (699) of "Statistical Review of Dam Construction" (355)

FULLER, J. R.
"A Study of the Behavior of Large I-Section Connections" (659) with T. F. Leahey and W. H. Munse, Jr.
Dsc of 659: Glenn B. Woodruff (812)

GARTNER, ABRAHAM I.
Dsc (831) of "Bending in Annular Sections" (683)

GIBBS, H. J.
See Holtz, W. G. (759)

GIBSON, R. E.
See Drucker, D. C. (798)

GIERASCH, A. R.
Dsc (664) of "Safety and the Probability of Structural Failure" (468)

GIRTON, Darrel D.
See Michalos, James (827)

GLOSS, RALPH H.
Dsc (701) of "Examples of Timber Structure Failures" (544)

GOLZE, ALFRED R.
Dsc (621) of "Factors Influencing Irrigation in Humid Areas" (462)
Dsc (713) of "Philadelphia Capital Budget and Program Procedures" (508)
Dsc (808) of "Operation and Maintenance of Irrigation Systems" (623)

GOODMAN, LOUIS J.
See Apfel, Earl T. (657)

GOODRICH, R. D.
Dsc (709) of "The Log-Probability Law and its Engineering Applications" (536)

GORDON, BERNARD B.
Dsc (657) of "Some Applications of Geology in Soil Mechanics and Foundation Engineering" (477)

GORMAN, ARTHUR E.
"Environmental Considerations in the Development of the Atomic Energy Industry" (766)

GOTAAS, HAROLD B.
See McGauhey, P. H. (595)
See Oswald, William J. (686)

GOULD, RICHARD H.
Clo (595) of "Sewage Aeration Practice in New York City" (307)

GRAY, HAMILTON
"Field Vane Shear Tests of Sensitive Cohesive Soils" (755)
Dsc of 755: E. Vey; Carl W. Fenske; and Dale T. Harroun (843)

GRAY, R. T.
See Boothe, W. A. (677)
See Boothe, W. A. (799)

GREELEY, SAMUEL A.
Dsc (647) of "Incineration and Alternative Refuse Disposal Processes" (471)
Dsc (647) of "New York's Extension of Its Sources to the Delaware" (454)

GREENBERG, H. J.
Dsc of 562: Kuang-Han Chu, and F. K. Chang (701)
Clo (812) of "Moments and Deflections in Steel Grid Bridge Floors" (562)

GREENHALGH, WILLIAM H.
See Warnick, F. M. (619)

GRIFFIN, A. F.
"Canal and Locks at Chain of Rocks, Mississippi River" (608)

GRIFFIN, ROBERT H.
See Wing, Lesher S. (697)

GRIFFITHS, JOHN D.
"Multiple Span Gabled Frames" (586)
Dsc of 586: A. F. Diwan (765)

GRINTER, L. E.
"Education of Civil Engineers: Need for Reconsideration" (858)

GRONQUIST, C. H.
See Joyce, W. E. (681)

GUMBEL, E. J.
Clo (665) of "Statistical Theory of Droughts" (439)
Dsc (665) of "The Log Probability Law and its Engineering Applications" (536)
Dsc (682) of "Frequency of Maximum Wind Speeds" (539)

GUNNERSON, C. G.
Dsc (689) of "Pollution of the Mississippi River near New Orleans" (552)

GUSCIO, FRANCIS J.
Clo (845) of "Aerial Surveys for Reservoir Planning" (407)

HABERMAN, W. L.
Dsc of 387: J. A. Roberson, C. L. Barker, and P. F. Ruff (606)
Clo (776) with R. K. Morton of "An Experimental Study of Bubbles Moving in Liquids" (387)

HALBRONN, G.
Dsc (606) of "The Development of the Turbulent Boundary Layer on Steep Slopes" (281)

HALL, CHARLES L.
Dsc (726) of "Development of the Delaware River for Commerce" (503)

HALL, JAY V., JR.
"Beach Rehabilitation by Fill and Nourishment" (616) with George M. Watts

HALL, W. J.
"Shear Deflection of Wide Flange Steel Beams in the Plastic Range" (814) with N. M. Newmark

HALTON, GEORGE R.
Dsc (759) of "Settlement Analysis of Sand Drain Projects" (756)

HAMILTON, E. L.
See Sinclair, J. D. (629)

HANCOCK, C. KINNEY
Dsc of 499: Eugene Y. Huang (704)
Clo (810) of "Performance of Soils Versus Chemical Properties" (499)

HANSEN, VIGGO
See Moyer, Stanley (699)

HANSEN, W.
Dsc (812) of "High Strength Steel Bolts in Structural Practice" (651)

HANSON, WALTER E.
"The Constant Segment Method for the Analysis of Non-Uniform Structural Members" (649) with Wallace F. Wiley
Dsc of 649: T. F. Hickerson, Eugene J. Vayda, and J. J. Polivka (812)

HARDISON, C. H.
See Langbein, W. B. (826)

HARGREAVES, GEORGE H.
"Irrigation and Drainage Problems in Haiti" (729)

HARROLD, JOHN C.
Dsc (624) of "Equation of the Free-Falling Nappe" (482)

HARROUN, DALE T.
Dsc (843) of "Field Vane Shear Tests of Sensitive Cohesive Soils" (755)

HARTMAN, PAUL
"Sight Distance at Undercrossings" (597)
"The Highway Spiral for Combining Curves of Different Radii" (703)
Dsc of 597: T. F. Hickerson (704)
Dsc of 703: T. F. Hickerson (810)
Corr (810) of "The Highway Spiral for Combining Curves of Different Radii" (703)
Dsc (704) of "Expedient Geometry for the Design of Compound Highway Curves with Connection Spirals" (500)
Dsc (730) of "A Geometric Problem in Traveling Crane Track Alignment" (575)

HARTMANN, E. C.
Corr (765) to "Specifications for Structures of a Moderate Strength Aluminum Alloy of High Resistance to Corrosion: Progress Report of the Committee of the Structural Division on Design in Lightweight Structural Alloys" (132)
See Hill, H. N. (606)

HARTWELL, A. D.
See Fraser, D. J. (731)

HARWOOD, WARNER
Dsc (704) of "Determining the Required Thickness of Concrete Pavements for Highways" (596)

HATTRUP, J. S.
See Hechtman, R. A. (797)

HAZEN, RICHARD
"Hudson River Water--Its Characteristics and Treatment" (644)

HECHTMAN, R. A.
"Lateral Buckling of Rolled Steel Beams" (797) with J. S. Hattrup, E. F. Styer, and J. L. Tiedemann

HENDERSON, EDWARD A.
"Settlement Analysis of Sand Drain Projects" (756)
Dsc of 756: George R. Halton (759)
Dsc of 756: Earl M. Buckingham and Frank G. Cheney; Charles M. Noble; and William G. Weber, Jr. (843)

HENKEL, D. J.
See Drucker, D. C. (798)

HERRING, FRANK W.
"Modern Design of General Cargo Marine Terminals" (615)

HERROLD, GEORGE H.
Dsc (713) of "History of the City Planning Division of the ASCE" (509)
Dsc (713) of "Is Parking a Public Responsibility?" (510)

HERSHFIELD, DAVID M.
"Synthesis of Rainfall Intensity-Frequency Regimes" (744) with Leonard L. Weiss and Walter T. Wilson

HICKERSON, T. F.
Clo (598) of "A Mathematical Examination of Spiraled Compound Curves" (357)
Corr (704) to clo (598) of "A Mathematical Examination of Spiraled Compound Curves" (357)

HICKERSON, T. F.
Dsc (598) of "Expedient Geometry for the Design of Compound Highway Curves with Connection Spirals" (500)
Dsc (704) of "Sight Distance at Undercrossings" (597)
Dsc (810) of "The Highway Spiral for Combining Curves of Different Radii" (703)
Dsc (812) of "The Constant Segment Method for the Analysis of Non-Uniform Structural Members" (649)

HIGGS, JERE W., JR.
Dsc (689) of "Pollution of the Mississippi River near New Orleans" (552)

HILL, CARROLL V.
"Water Supply and Sewerage System Planning for Greater Karachi" (770) with Vance C. Lischer

HILL, H. N.
Dsc of 300: Herbert A. Sawyer, Jr. (606)
Clo (606) with E. C. Hartmann and J. W. Clark of "Designing Aluminum Alloy Members for Combined End Load and Bending" (300)

HILL, RAYMOND A.
Dsc (808) of "Measurement of Canal Seepage" (728)

HIMELRIGHT, L. K.
"Foundation Conditions in Charleston, S. C." (753)

HIRSCH, EPHRAIM G.
"Analysis of Arches by Finite Differences" (829) with E. P. Popov

HOADLEY, ANTHONY
"Influence Lines for Moment and Shear in a Continuous Beam" (734)
Dsc of 734: Benjamin C. F. Wei (849)

HOBBS, WILLIAM H.
"Effect of Floods on Transportation" (837)

HODGE, CHARLES J.
"Economics of Pipe Line Financing" (855)

HOLT, W. G. H.
Dsc (699) of "Recent Trends in Hydraulic Gate Design" (517)

HOLTZ, W. G.
Dsc of 516: Raymond F. Dawson (657)
Dsc of 516: William T. Altmeyer, Edward S. Barber, and Lawrence A. DuBose (658)
Clo (759) of "Engineering Properties of Expansive Clays" (516) with H. J. Gibbs

HOPKINS, DAVID A.
"The Design of Piers, Jetties, and Dolphins" (727)

HORONJEFF, ROBERT
"Manpower Factors in an Augmented Highway Program" (784) with Norman Kennedy and Harmer E. Davis
Rt "The Design of Airfield Overlay Pavements: Progress Report of the Committee on Design of Overlay Pavements of the Air Transport Division" (777)
"The Effect of Traffic upon Runway Pavement Cross-Section" (720) with John Hugh Jones

HORVAY, G.
See Boothe, W. A. (677)
See Boothe, W. A. (799)

HOUSNER, G. W.
See Hudson, D. E. (816)

HOWELL, WALLACE E.
Dsc (689) of "Artificial Precipitation Control" (547)

HOWLAND, CHARLES A.
Dsc of 508: Alfred R. Golze (713)
Clo (835) of "Philadelphia Capital Budget and Program Procedures" (508)

HUANG, EUGENE Y.
Dsc (704) of "Performance of Soils versus Chemical Properties" (499)
Dsc (758) of "Improving the Load Carrying Capacities of Subgrades" (505)

HUBER, A.
Dsc (819) of "Stability of Beam Columns Above the Elastic Limit" (692)

HUDDLESTON, JOHN V.
"Dead-Load and Live-Load Moments in Shells of Revolution Built-In into Cylinders" (772) with Mario G. Salvadori

HUDSON, D. E.
"Structural Vibrations Produced by Ground Motion" (816) with G. W. Housner

HUNT, ELDON V.
"Scope of Pipeline Transportation in the United States" (633)

HUNTLEY, H. W.
"Prospects for Use of Nuclear Power" (767)

INGERSOLL, ALFRED C.
"Fundamental Concepts of Rectangular Settling Tanks" (590) with Jack E. McKee and Norman H. Brooks
Dsc of 590: Thomas R. Camp (689)
Dsc of 590: H. L. Thackwell (752)

INGERSON, IRVIN M.
"Lunar-Cycle Measurement of Estuarine Flows" (836)

INGLIS, SIR CLAUDE
Dsc (621) of "Diversion of Canals" (461)

INGRAHAM, SAMUEL C., II
See Terrill, James G., Jr. (643)

INGRAM, WILLIAM T.
See Edwards, Gail P. (645)
See Edwards, Gail P. (848)

IRELAND, E.
See Dockstader, E. A. (831)

IRISH, SUMNER B.
Dsc (845) of "A New Look at the Specifications for Federal Geodetic Control" (722)

ISMAIL, HASSAN M.
Dsc of 461: Sir Claude Inglis, and Harold Tults (621)

IWAI, SHIGEHISA
Dsc (709) of "The Log-Probability Law and its Engineering Applications" (536)

IZZARD, CARL F.
Dsc of 320: Max A. Kohler, Roy F. Warner, and N. E. Minshall (598)
Clo (598) of "Peak Discharge for Highway Drainage Design" (320)
Dsc (748) of "Tranquil Flow Through Open-Channel Constrictions" (467)

JARRETT, J. M.
"Solving Pollution Problems Through Cooperation" (642)

JARVIS, CLARENCE S.
Dsc (595) of "Twin Opportunities: Conservation and Engineering" (419)

JENNEY, RICHARD
Dsc (661) of "The Vibration of Steel Stacks" (540)

JOHNSON, HORACE A.
"Seepage Forces in a Gravity Dam by Electrical Analogy" (757)
Dsc (718) of "Foundation Treatment for Earth Dams on Rock" (548)

JOHNSON, S. J.
Clo (657) with W. G. Shockley of "Field Penetration Tests for Selection of Sheepsfoot Rollers" (363)

JOHNSON, WENDELL E.
"Missouri River Basin Plan in Operation" (800)

JOHNSTON, BRUCE G.
"Blast Resistant Building Frames" (695) with Archie Mathews
Dsc of 695: Keith E. McKee (819)
See Kubo, Gerald G. (765)
See Salmon, Charles G. (660)
See Thurlimann, Bruno (654)

JONES, JOHN HUGH
See Horonjeff, Robert (720)

JONES, PAUL H.
Dsc of 490: Raphael G. Kazmann (624)

JORDAAN, JAN M.
Dsc (719) of "The Present Status of Research on Sediment Transport" (565)

JOYCE, W. E.
"Design of the Kingston Bridge over the Hudson River" (681) with C. H. Gronquist

JUDD, SAMUEL
"Vibration in Hydroelectric Power Plants" (637)

JUDD, W. R.
Dsc of 550: Thomas W. Fluhr (657)
Clo (843) of "Exploration Principles for Major Engineering Works" (550)

JULIAN, OLIVER G.
Dsc (664) of "Safety and the Probability of Structural Failure" (468)

JUMIKIS, ALFREDS R.
Dsc of 445: Robert Ruckli and Hans F. Winterkorn (656)
Clo (718) of "Suction Force in Soils upon Freezing" (445)

KAMINSKY, EDMUND L.
See Ketter, Robert L. (606)

KAROL, JACOB
Dsc (701) of "An Influence Line Analysis for Suspension Bridges" (558)
Dsc (849) of "Natural Frequencies of Continuous Flexural Members" (735)

KAROLY, A.
See Alexander, G. N. (709)

KARPOFF, K. P.
Clo (718) of "Pavlovsky's Theory for Phreatic Line and Slope Stability" (386)

KAVANAGH, THOMAS C.
Dsc (758) of "Structural Success or Failure?" (632)

KAZMANN, RAPHAEL G.
Dsc (624) of "Ground Water in the Vermilion River Basin" (490)

KEIFER, CLINT J.
Dsc of 383: Francis F. Escoffier; Henry J. Miles; and Richard Silvester (665)
Clo (665) with Henry Hsien Chu of "Backwater Functions by Numerical Integration" (383)

KEITH, H. A.
See Beard, Leo R. (665)

KENIGSBERG, ALEXANDER H.
"Introduction to Semi-Rigid Determinate Polygonal Trusses" (828)

KENNEDY, NORMAN
See Horonjeff, Robert (784)

KENNISON, KARL R.
Dsc of 454: Samuel A. Greeley (647)
Clo (752) of "New York's Extension of Its Sources to the Delaware" (454)

KETTER, ROBERT L.
"Stability of Beam Columns Above the Elastic Limit" (692)
Dsc of 692: A. Huber (819)
Clo (606) with Edmund L. Kaminsky and Lynn S. Beedle of "Plastic Deformation of Wide-Flange Beam-Columns" (330)

KINDSVATER, CARL E.
Dsc of 382: Richard S. Woodruff (748)

KINDSVATER, CARL E.
Dsc of 467: Emmett M. Laursen and Arthur Toch; Fred W. Blaisdell; Pin-Nam Lin; Carl F. Izzard; and Chesley J. Posey (748)
Clo (748) of "Hydraulic Model Studies of Martin Dam Draft Tubes" (382) with R. R. Randolph, Jr.
Clo (748) of "Tranquil Flow Through Open-Channel Constrictions" (467) with Rolland W. Carter

KINNEY, JOHN E.
"Industrial Waste Practice--Some Thoughts for Sanitary Engineers" (779) with John C. Bumstead
Dsc of 779: Edmund B. Besselievre (822)

KIRKPATRICK, KENNETH W.
"Discharge Coefficients for Spillways at TVA Dams" (626)

KNOWLTON, C. FRANKLIN, Jr.
See English, J. Morley (830)

KOHLER, MAX A.
Dsc (598) of "Peak Discharge for Highway Drainage Design" (320)

KOLOSEUS, HERMAN J.
Dsc (719) of "Hydraulics of the Free Overfall" (564)

KOMENDANT, AUGUST E.
"Economy and Safety of Different Types of Concrete Dams" (684)
Dsc of 684: J. J. Polivka (831)

KRAJEWSKI, W. A.
Dsc (682) of "Analysis of the Vierendeil Girder by Balancing the Panel Moments" (560)

KRESGE, RALPH F.
"Flood Frequencies Derived from River Forecasting Procedures" (630) with Tor J. Nordenson

KUBO, GERALD G.
Clo (765) with Bruce G. Johnston and William J. Eney of "Non-Uniform Torsion of Plate Girders" (449)
Corr (765) with Bruce G. Johnston and William J. Eney to "Non-Uniform Torsion of Plate Girders" (449)

KUIPER, E.
Dsc (760) of "River Surveys in Unmapped Territory" (612)

LACEY, GERALD
Dsc (808) of "A Concept of Lacey's Regime Theory" (620)

LANDIS, JOHN W.
"Elementary Principles of Nuclear Power" (768)

LANE, E. W.
"The Importance of Fluvial Morphology in Hydraulic Engineering" (745)
Dsc (760) of "Graphic Design of Alluvial Channels" (611)
Dsc (808) of "A Concept of Lacey's Regime Theory" (620)

LANG, S. M.
See Barksdale, H. C. (593)

LANGBEIN, W. B.
"Extending Streamflow Data" (826) with C. H. Hardison

LANGE, A.
See Archer, J. (776)

LARA, J. M.
Dsc (719) of "The Present Status of Research on Sediment Transport" (565)

LARSON, FRED H.
Clo (621) of "Humid Area Soils and Moisture Factors for Irrigation Design" (426)

LATHAM, G. R.
Dsc (699) of "Recent Trends in Hydraulic Gate Design" (517)

LAURSEN, EMMETT M.
Dsc (748) of "Tranquil Flow Through Open-Channel Constrictions" (467) with Arthur Toch
See Toch, Arthur (624)

LAWLOR, WALTER F.
"Flood Control in the Middle Mississippi" (803)

LAWRENCE, LLOYD S.
Dsc (664) of "Safety and the Probability of Structural Failure" (468)

LEAHEY, T. F.
See Fuller, J. R. (659)

LEE, CHARLES A.
See Bennett, H. W. (796)

LEE, SHUH-CHAI
Dsc (719) of "The Log-Probability Law and its Engineering Applications" (536)

LEGGETTE, R. M.
"Modern Methods of Developing Ground-Water Supplies" (627)

LENZEN, K. H.
See Carter, J. W. (682)

LEONARDS, G. A.
Clo (718) of "Strength Characteristics of Compacted Clays" (360)

LEVY, LEON S.
See Cohen, Edward (676)

LI, WEN-HSIUNG
Dsc of 381: Turgut Sarpkaya (624)
Clo (624) of "Open Channels with Nonuniform Discharge" (381)
Dsc (748) of "Effect of Well Screens on Flow into Wells" (365)

LIEBMANN, JOACHIM E.
"Proposed Modern Marine Terminal at San Diego" (724)

LIN, PIN-NAM
Dsc (748) of "Tranquil Flow Through Open-Channel Constrictions" (467)
Dsc (841) of "Mechanics of Streams with Movable Beds of Fine Sand" (668)

LING, JOSEPH TSO-TI
"A Study of Filtration Through Uniform Sand Filters" (751)

LINSLEY, RAY K.
Dsc of 547: Wallace E. Howell (689)
Clo (822) of "Artificial Precipitation Control" (547)

LIPP, MORRIS N.
"Beach Protection Creates Legal Problems" (631)

LISCHER, VANCE C.
See Hill, Carroll V. (770)

LIU, HSIN-KUAN
Dsc (748) of "The Present Status of Research on Sediment Transport" (565)
Dsc (841) of "Mechanics of Streams with Movable Beds of Fine Sand" (668)

LOONEY, CHARLES T. G.
"Analysis of Continuous Structures by Joint Rotation" (679)
Dsc of 451: I. C. Chang and William A. Conwell (589)
Dsc of 679: R. W. Stewart; J. J. Polivka; Harris Solman; and David V. Messman (831)
Clo (682) of "Behavior of Structures Subjected to a Forced Vibration" (451)
Corr (589) of "Behavior of Structures Subjected to a Forced Vibration" (451)

LOWE, ROBERT P.
Dsc (689) with Bryan E. Miller of "Hog Feeding: Report of a Subcommittee of the Committee on Refuse Collection and Disposal of the Sanitary Engineering Division" (496)

LUDWIG, HARVEY F.
"Job Opportunities in Sanitary Engineering" (655)

LYNCH, JOHN T.
"Traffic Diversion to Toll Roads" (702)

MACDONALD, FRANK W.
Dsc of 552: C. G. Gunnerson and Jere W. Higgs, Jr. (689)
Clo (782) of "Pollution of the Mississippi River near New Orleans" (552)

MacDONALD, GEORGE E.
Clo (730) of "Surveys and Maps for Pipelines" (393)

MALONEY, F. A.
See Oliver, J. (845)

MARCELLO, CLAUDIO
Dsc (699) of "Statistical Review of Dam Construction" (355)

MARGOLIN, MORTIMER
"Trussed Diaphragm in a Rigid Bent System" (648)

MARKEL, LYMAN A.
"Federal Participation in Small-Craft Harbors" (723)

MARRONE, ADOLPHE A.
"Bending in Annular Sections" (683)
Dsc of 683: Abraham I. Gartner (831)

MARSH, CEDRIC
Dsc (664) of "Resonant Vibration of Steel Stacks" (541)

MARSHALL, JOHN S.
"Denver's Master Street Plan" (600)

MARTIN, PARK H.
"Impact of Atomic Development on Growth and Planning of Urban Regions" (832)
"Pittsburgh's Comprehensive Improvement Program" (601)

MASUR, E. F.
"On the Lateral Stability of Multi-Story Bents" (672)

MATHER, BRYANT
Dsc (758) of "Structural Success or Failure?" (632)
Dsc (807) of "Permeability, Pore Pressure and Uplift in Gravity Dams" (700)

MATHEWS, ARCHIE
See Johnston, Bruce G. (695)

MATTHES, GERARD H.
"River Surveys in Unmapped Territory" (612)
Dsc of 612: F. T. Mavis (726)
Dsc of 612: T. H. F. Nevins, E. Kuiper and C. J. Posey (760)

MATTHEW, RAYMOND
Clo (621) of "Use of Colorado River Water in California" (347)

MAVIS, F. T.
Dsc (726) of "River Surveys in Unmapped Territory" (612)
See Stelson, T. E. (670)

MAYER, ALBERT
"Planning New Cities: Problems, Techniques and Solutions" (834)

MAYER, ARMAND
Dsc (657) of "Studies of Bearpaw Shale at a Damsite in Saskatchewan" (476)

McDONALD, H. R.
"The Irrigation Aspects of Ground-Water Development" (707)

McGAUHEY, P. H.
Clo (595) with Harold B. Gotaas of "Stabilization of Municipal Refuse by Composting" (302)

McGAVIN, C. T.
"Private Enterprise Can Meet the Parking Demand" (599)

McILLWRAITH, J. F.
Dsc (665) of "The Log Probability Law and its Engineering Applications" (536)

McKEE, JACK E.
See Ingersoll, Alfred C. (590)

McKEE, KEITH E.
Dsc (819) of "Blast Resistant Building Frames" (695)

McPHERSON, M. B.
"Minimum Pressures in Rectangular Bends" (747) with H. S. Strausser

MENSCH, L. J.
Dsc (765) of "Continuous Prestressing" (588)

MESSMAN, DAVID V.
Dsc (831) of "Analysis of Continuous Structures by Joint Rotation" (679)

METCALFE, A. H.
Dsc (664) of "Foundation Failures in Residences and Small Structures" (561)

METZLER, DWIGHT F.
"Effect of Drought on Kansas Water Supply Practice" (780)

MICHALOS, JAMES
"Continuous Arches on Elastic Piers" (827) with Darrel D. Girton

MICK, KERWIN L.
Rt "Advances in Sewage Treatment in the Period from September 1, 1952 to October 1, 1954: Progress Report of the Committee of the Sanitary Engineering Division on Sewerage and Sewage Treatment" (594)

MIKLOFSKY, HAAREN A.
"Bending Interaction in Suspension Bridges" (652)
Dsc of 652: N. C. Raab, F. P. Shearwood, George S. Vincent, J. E. Robins, and Nan sze Sih (812)

MILES, HENRY J.
Dsc (665) of "Backwater Functions by Numerical Integration" (383)

MILLER, BRYAN E.
See Lowe, Robert P. (689)

MILLER, HAROLD E.
See Nusbaum, Isadore (781)

MILLIGAN, CLEVE H.
"Pumping Ground Water for Irrigation and Drainage" (618)

MINSHALL, NEAL E.
Dsc (598) of "Peak Discharge for Highway Drainage Design (320)
Dsc (719) of "The Box Inlet Drop Spillway and Its Outlet" (534)

MIRON, CHARLES
"Operation of Whitney Reservoir During the Filling of Power Pool" (790)

MOELLER, DADE W.
See Terrill, James G., Jr. (643)

MOHAMMED, I. A.
Corr (799) with E. P. Popov of "Beam Restraints Provided by Walls with Openings" (529)

MOLIOTIS, PANAGIOTIS D.
"A General Method of Analysis of Rigid Frames" (811)

MOLLARD, J. D.
Dsc (656) with D. H. Pollack of "Studies of Bearpaw Shale at a Damsite in Saskatchewan" (476)

MOORE, EDWARD W.
Dsc (822) of "Corrosion and Corrosion Research" (685)

MOORE, HOWARD R.
Dsc (799) of "A Resistor-Network Solution for the Elasto-Plastic Torsion Problem" (671)

MOORE, JOSEPH HERBERT
"Determining the Required Thickness of Concrete Pavements for Highways" (596)
Dsc of 596: L. A. Palmer, Earl C. Sutherland, Warner Harwood, and Albert de Neufville (704)

MOORMAN, ROBERT B. B.
"Continuous Prestressing" (588)
Dsc of 588: A. Diwan, and L. J. Mensch (765)

MORRIS, SAMUEL B.
"Owens Gorge Project" (738)

MORTON, R. K.
See Haberman, W. L. (776)

MORTON, ROY J.
"The Role of the Sanitary Engineer in the Nuclear Energy Program" (749)

MOSTAFA, IBRAHIM
See Tachau, Herman (664)

MOSTAFA, M. GAMAL
"Riverbed Degradation Below Large Capacity Reservoirs" (788)
See Carlson, E. J. (841)

MOYER, STANLEY
Clo (699) with Viggo Hansen of "Movements in Structural Concrete at Conowingo Hydro Plant" (308)

MUNSE, W. H.
"Bolted Connections--Research" (650)
Clo (664) with D. T. Wright and N. M. Newmark of "Laboratory Tests of High Tensile Bolted Structural Joints" (441)
Dsc (606) of "An Experimental Investigation and Limit Analysis of Net Area in Tension" (296)
See Fuller, J. R. (659)

NAMYET, SAUL
See Biggs, John M. (587)

NAZIR, MOHAMMAD
Dsc (748) of "Effect of Well Screens on Flow into Wells" (365) with Nazir Ahmad

NEES, LOUIS A.
"Kelly Air Force Base Maintenance Hangar: Planning" (852)

NEMEROW, NELSON L.
Rt "Biological Treatment of Highly Alkaline Textile Mill Waste-Sewage Mixture: Progress Report of the Industrial Waste Section of the Sanitary Engineering Research Committee of the Sanitary Engineering Division" (750)
Rt "Experiences with a New Type of Dairy Waste Treatment: Progress Report of the Sanitary Engineering Research Committee, Industrial Waste Section" (847)
Rt "Physical and Chemical Control of Insects: Progress Report of the Sanitary Engineering Research Committee, Public Health Engineering Section" (820)
Rt "The Effect of Nutrients upon the Rate of Stabilization of Spent Sulfite Liquor in Receiving Waters: Progress Report of the Sanitary Engineering Research Committee, Stream Pollution Section" (821)
Dsc of 750: A. W. Petty (822)
Dsc of 750: R. H. Souther and T. A. Alspaugh (848)

NETO, J. M. RESSURREICÃO
See Rocha, M. (696)

NEVINS, T. H. F.
Dsc (760) of "River Surveys in Unmapped Territory" (612)

NEWMARK, N. M.
Clo (701) of "An Engineering Approach to Blast Resistant Design" (306)
See Hall, W. J. (814)
See Munse, W. H. (664)
See Veletsos, A. S. (735)

NICHOLSON, GEORGE F.
"Design Problems--Alamitos Bay Marina" (725)

NOBLE, CHARLES M.
Dsc of 505: Eugene Y. Huang (758)
Dsc of 571: Gregory P. Tschebotioff (718)
Clo (856) of "Improving the Load Carrying Capacities of Subgrades" (505)
Dsc (843) of "Settlement Analysis of Sand Drain Projects" (756)

NORDENSON, TOR J.
See Kresge, Ralph F. (630)

NUSBAUM, ISADORE
"Travel of Pollution in Shoreline Coastal Waters" (781) with Harold E. Miller and Arthur W. Reinhardt
Dsc (822) of "Photosynthesis in Sewage Treatment" (686)

OESTERBLOM, I.
Dsc (606) of "Deflections of a Circular Beam Out of Its Initial Plane" (375)

OLIVER, J. E.
Dsc of 575: Paul Hartman (730)
Clo (845) with F. A. Maloney of "A Geometric Problem in Traveling Crane Track Alignment" (575)

OSWALD, WILLIAM J.
"Photosynthesis in Sewage Treatment" (686) with Harold B. Gotaas
Dsc of 686: Isadore Nusbaum (822)

OWENS, C. P.
"The Use of Topographic Maps in Highway Location" (844)

PAGON, W. WATTERS
Dsc (661) of "The Vibration of Steel Stacks" (540)

PALMBAUM, H. M.
Dsc (701) of "An Influence Line Analysis for Suspension Bridges" (558)

PALMER, L. A.
Dsc (704) of "Determining the Required Thickness of Concrete Pavements for Highways" (596)

PARMAKIAN, JOHN
Clo (624) of "Pressure Surge Control at Tracy Pumping Plant" (361)

PARSONS, JAMES D.
Dsc of 475: A. E. Cummings (656)
Clo (843) with Stanley D. Wilson of "Safe Loads on Dog-Leg Piles" (475)

PARTIN, JOHN L.
"Sanitary Fill Practice in Los Angeles County" (688)

PASCHKIS, V.
See Weiner, J. H. (671)

PATTERSON, T. M.
Dsc (699) of "Statistical Review of Dam Construction" (355)

PAUW, ADRIAN
"Lightweight Aggregates for Structural Concrete" (584)
"Sequence Summation Factors" (763)
Dsc (831) of "Tightening High-Strength Bolts" (786)

PEARCE, GEORGE W.
See Wiley, John S. (846)

PECK, RALPH B.
Dsc of 513: Arthur Casagrande (657)
Dsc of 513: Edward C. Baker (658)
Clo (843) of "Foundation Conditions in the Cuyahoga River Valley" (513)

PEERY, DAVID J.
Dsc of 558: Nan sze Sih, Jacob Karol, H. M. Palmbaum, and Vincenzo Franciosi (701)

PEERY, DAVID J.
Clo (813) of "An Influence Line Analysis for Suspension Bridges" (558)

PETERKA, ALVIN J.
Clo (665) of "Morning-Glory Shaft Spillways: Performance Tests on Prototype and Model" (433)

PETERSEN, JACK S.
Dsc of 365: Wen-Hsiung Li; Arthur L. Collins; Mohammad Nazir and Nazir Ahmad; Matthew I. Rorabaugh; Dean F. Peterson, Jr.; G. Cohen de Lara; and Gerard Tison, Jr. (748)
Clo (748) of "Effect of Well Screens of Flow into Wells" (365) with Carl Rohwer and Maurice L. Albertson

PETERSON, DEAN F., JR.
"Hydraulics of Wells" (708)
Dsc (748) of "Effect of Well Screens of Flow into Wells" (365)
See Zee, Chong-Hung (817)

PETERSON, ROBERT
Dsc of 476: J. D. Mollard and D. H. Pollack (656)
Dsc of 476: Armand Mayer (657)
Clo (759) of "Studies of Bearpaw Shale at a Damsite in Saskatchewan" (476)
Corr (759) of "Studies of Bearpaw Shale at a Damsite in Saskatchewan" (476)

PETTY, A. W.
Dsc (822) of "Biological Treatment of Highly Alkaline Textile Mill Waste-Sewage Mixture: Progress Report of the Industrial Waste Section of the Sanitary Engineering Research Committee of the Sanitary Engineering Division" (750)

PFAFSTETTER, OTTO
"Trial Load Analysis of Stresses in Dams" (662)

PICKEL, PAUL A.
See Buettner, Charles E. (740)

PIROK, JOHN N.
Dsc (661) of "The Vibration of Steel Stacks" (540)

PISTER, KARL S.
See Bresler, Boris (674)

PODOLAN, J. S.
See Disario, P. C. (849)

POLIVKA, J. J.
Dsc (812) of "The Constant Segment Method for the Analysis of Non-Uniform Structural Members" (649)
Dsc (831) of "Analysis of Continuous Structures by Joint Rotation" (679)
Dsc (831) of "Calculation of Pressure of Concrete on Forms" (680)
Dsc (831) of "Economy and Safety of Different Types of Concrete Dams" (684)
Dsc (849) of "Prestressing Practices in Bridge Building" (733)

POLLACK, D. H.
See Mollard, J. D. (656)

POPOV, E. P.
See Hirsch, Ephraim G. (829)
See Mohammed, I. A. (799)

POSEY, CHESLEY J.
"Flood-Erosion Protection for Highway Fills" (783)
Dsc (624) of "Flood Insurance" (483)
Dsc (748) of "Tranquil Flow Through Open-Channel Constrictions" (467)
Dsc (760) of "River Surveys in Unmapped Territory" (612)

POWELL, RALPH W.
Dsc (665) of "The Log Probability Law and its Engineering Applications" (536)

POWERS, T. C.
"Hydraulic Pressure in Concrete" (742)

PRINCE, HARRY C.
Dsc (589) of "Fatigue in Riveted and Bolted Single Lap Joints" (469)

PRITCHARD, D. W.
"Estuarine Circulation Patterns" (717)

QUACKENBUSH, TYLER H.
Dsc of 462: Alfred R. Golze (621)

RAAB, N. C.
Dsc (812) of "Bending Interaction in Suspension Bridges" (652)

RADER, EARLE M.
"Salt Water Encroachment into Well Water in the Miami Area" (669)

RAND, WALTER
"Flow Geometry at Straight Drop Spillways" (791)
Dsc (624) of "Equation of the Free-Falling Nappe" (482)

RANDALL, ROBERT H.
"A New Look at the Specifications for Federal Geodetic Control" (722)
Dsc of 722: Sumner B. Irish (845)

RANDOLPH, R. R., JR.
See Kindsvater, Carl E. (743)

REESE, L. C.
See Seed, H. B. (842)

REEVES, A. B.
"Use and Economy of Concrete Pipe in Irrigation Systems" (622)

REILLY, JOHN J.
"Life Expectancy of Steam Plant Equipment" (640)

REINHARDT, ARTHUR W.
See Nusbaum, Isadore (781)

REISSNER, ERIC
"Stresses in Elastic Plates over Flexible Subgrades" (690)

RICE, PAUL
Dsc (776) of "Failure of Plain Concrete under Combined Stresses" (674)

RICHARDS, R. T.
Dsc (807) of "The High-Syphon Circulating Water System for Meramec Plant" (740)

RICHARDSON, G. C.
See Drake, H. L. (787)

RICHART, F. E., JR.
"Analysis for Sheet Pile Retaining Walls" (694)
Dsc of 694: R. W. Rowe (819)

RICK, GLENN A.
"The Development of the Mission Bay-San Diego River Project" (711)

RIGLER, H. M.
See Drake, H. L. (787)

RINCON, HUMBERTO
See Shore, Sidney (682)

RITTER, ROY H.
"Design of Treatment Plants for Low Turbidity Water" (591)
Dsc of 591: H. L. Thackwell (752)

ROBERSON, J. A.
Dsc (606) with C. L. Barker and P. F. Ruff of "An Experimental Study of Bubbles Moving in Liquids" (387)

ROBERTSON, J. M.
Dsc (776) of "A New Approach to Turbulent Boundary Layer Problems" (604)

ROBINS, J. E.
Dsc (812) of "Bending Interaction in Suspension Bridges" (652)

ROBINSON, A. R.
"Measurement of Canal Seepage" (728) with Carl Rohwer
Dsc of 728: Raymond A. Hill (808)

ROBY, H. G.
Dsc (641) of "Engineering Advancements at McNary Project" (639)

ROCHA, M.
"Model Tests, Analytical Computation and Observation of an Arch Dam" (696) with J. Laginha Serafim, A. F. da Silveira, and J. M. Ressurreição Neto

RODIO, GIOVANNI
Dsc (718) of "Foundation Treatment for Earth Dams on Rock" (548)

ROHWER, CARL
See Petersen, Jack S. (748)
See Robinson, A. R. (728)

RORABAUGH, MATTHEW I.
Dsc (748) of "Effect of Well Screens of Flow into Wells" (365)

ROSS, DONALD
"A New Approach to Turbulent Boundary Layer Problems" (604)
Dsc of 604: W. Douglas Baines; J. M. Robertson; and W. J. Bauer (776)

ROUSH, FLOYD M.
"Operation and Maintenance of Irrigation Systems" (623)
Dsc of 623: Alfred R. Golze (808)

ROUSSEL, G. A.
"Some Aspects of Electronic Surveying in Offshore Areas" (857)

ROWE, R. ROBINSON
"Rigid Culverts under High Overfills" (823)

ROWE, R. W.
Dsc (819) of "Analysis for Sheet Pile Retaining Walls" (694)

RUBLE, E. J.
"Impact in Railroad Bridges" (736)

RUCKLI, ROBERT
Dsc (656) of "Suction Force in Soils upon Freezing" (445)

RUDOLPH, E. A.
Dsc (807) of "The High-Syphon Circulating Water System for Meramec Plant" (740)

RUFF, P. F.
See Roberson, J. A. (606)

RUNDLETT, J. C.
"Prestressing Practices in Bridge Building" (733)
Dsc of 733: J. J. Polivka, and Arthur R. Anderson (849)

RUPANI, NAVINCHANDRA L.
Dsc (719) with John B. Stall of "The Present Status of Research of Sediment Transport" (565)

RYDELL, LOUIS E.
"Engineering Advancements at McNary Project" (639) with Glenn H. Von Gunten
Dsc of 639: J. Fisch, O. E. Walsh, and H. G. Roby (641)

SALGO, MICHAEL N.
Dsc of 544: E. George Stern (589)
Dsc of 544: Ralph H. Gloss (701)
Clo (813) of "Examples of Timber Structure Failures" (544)

SALMON, CHARLES G.
"Moment-Rotation Characteristics of Column Anchorages" (660) with Leo Schenker and Bruce G. Johnston

SALVADORI, MARIO G.
"Lateral Buckling of Eccentrically Loaded I-Columns" (607)
"Shell Versus Arch Action in Barrel Shells" (653)
Corr (776) to "Lateral Buckling of Eccentrically Loaded I-Columns" (607)

SALVADORI, MARIO G.
See Huddleston, John V. (772)
See Weiner, J. H. (671)

SAMMONS, WILLIAM H.
Dsc (665) of "The Log Probability Law and Its Engineering Applications" (536)

SAMUEL, ALFRED F., JR.
"Waneta Hydroelectric Project" (638) with Walter Emil Fisher

SANDBERG, C. H.
"Investigation of Floorbeam Hangers in Railroad Trusses" (762)

SANKS, R. L.
"Photoelastic Analysis of Stress in a Dam Containing a Large Gallery" (693)

SARPKAYA, TURGUT
"Oscillatory Gravity Waves in Flowing Water" (815)
Dsc (624) of "Open Channels with Nonuniform Discharge" (381)

SAWYER, HERBERT A., JR.
"Elasti-Plastic Design of Single-Span Beams and Frames" (851)
Dsc (606) of "Designing Aluminum Alloy Members for Combined End Load and Bending" (300)

SCHACHERL, ROBERT D.
Dsc of 500: T. F. Hickerson (598)
Dsc of 500: Paul Hartman (704)

SCHENKER, LEO
Dsc of 528: J. Archer and A. Lange (776)
See Salmon, Charles G. (660)

SCHJÖDT, R.
"Calculation of Pressure of Concrete on Forms" (680)
Dsc of 680: J. J. Polivka (831)
Corr (831) of "Calculation of Pressure of Concrete on Forms" (680)

SCHMERTMANN, JOHN H.
Clo (658) of "Estimating the True Consolidation Behavior of Clay from Laboratory Test Results" (311)
Dsc (718) of "Effect of Sample Disturbance on the Strength of a Clay" (570)

SCHNEBLY, F. DAVID
"Transport Helicopter Cost and Heliport Considerations" (778)

SCHONFELD, J. C.
See Dronkers, J. J. (714)

SCHUKNECHT, R. A.
See Drake, H. L. (787)

SCORDELIS, ALEXANDER C.
"An Analytical Procedure for Calculating Truss Displacements" (732) with Cameron M. Smith

SEED, H. B.
"The Action of Soft Clay along Friction Piles" (842) with L. C. Reese

SELBERG, A.
Dsc (813) of "Lateral Bending of Suspension Bridges" (663)

SEMENZA, CARLO
Dsc (699) of "Statistical Review of Dam Construction" (355)

SERAFIM, J. LAGINHA
See Rocha, M. (696)

SERAN, HARRY A.
Dsc (730) of "An Industry Puts the Texas Coordinate System to Work" (580)

SHEARWOOD, F. P.
Dsc (812) of "Bending Interaction in Suspension Bridges" (652)

SHERLOCK, R. H.
Dsc (661) of "The Vibration of Steel Stacks" (540)

SHERMER, CARL L.
"Stiffening Lock Gates by Prestressing Diagonals" (804)

SHOCKLEY, W. G.
See Johnson, S. J. (657)

SHOEMAKER, ROBERT R.
"Protection of Subsiding Waterfront Properties" (805)

SHORE, SIDNEY
Dsc (682) with Humberto Rincon of "The Octagonal Girder Four Column Space Frame" (542)

SHUTTS, ELMER E.
"Development of the Port of Lake Charles, La." (614)

SIH, NAN SZE
Dsc (701) of "An Influence Line Analysis for Suspension Bridges" (558)
Dsc (812) of "Bending Interaction in Suspension Bridges" (652)

SILBERMAN, EDWARD
Dsc (799) of "Virtual Mass and Acceleration in Fluids" (670)

SILVESTER, RICHARD
Dsc (665) of "Backwater Functions by Numerical Integration" (383)

SIMMONS, HENRY B.
"Some Effects of Upland Discharge on Estuarine Hydraulics" (792)

SINCLAIR, J. D.
"Streamflow Reactions of a Fire-Damaged Watershed" (629) with E. L. Hamilton

SMITH, CAMERON M.
See Scordelis, Alexander C. (732)

SMITH, ROBERT LEE
Dsc (624) of "Flood Insurance" (483)
Corr (665) to dsc (624) of "Flood Insurance" (483)

SMOLLEN, LEONARD E.
See Cohen, Edward (676)

SNYDER, WILLARD M.
"Hydrograph Analysis by the Method of Least Squares" (793)

SOLMAN, HARRIS
Dsc (831) of "Analysis of Continuous Structures by Joint Rotation" (679)

SOUTHER, R. H.
Dsc (848) with T. A. Alspaugh of "Biological Treatment of Highly Alkaline Textile Mill Waste-Sewage Mixture: Progress Report of the Industrial Waste Section of the Sanitary Engineering Research Committee of the Sanitary Engineering Division" (750)

SOWERS, GEORGE F.
Clo (718) of "Modern Procedures for Underground Investigations" (435)
Clo (718) of "Soil Problems in the Southern Piedmont Region" (416)

STALL, JOHN B.
See Rupani, Navinchandra L. (719)

STANLEY, DONALD R.
"Sand Filtration Studied with Radiotracers" (592)
Dsc of 592: Thomas R. Camp (752)

STEELE, I. C.
Dsc (658) of "Rock-Fill Dam Design and Construction Problems" (514)

STELSON, T. E.
"Virtual Mass and Acceleration in Fluids" (670) with F. T. Mavis
Dsc of 670: Joseph M. Caldwell and Edward Silberman (799)

STERN, E. GEORGE
Dsc (589) of "Examples of Timber Structure Failures" (544)

STEVENS, J. C.
"A More Simplified Venturi Tube" (678)
Dsc of 678: R. B. Dowdell (794)

STEWART, R. W.
Dsc (831) of "Analysis of Continuous Structures by Joint Rotation" (679)

STONE, RALPH
Dsc of 471: George R. Thompson and William A. Xanten (595)
Dsc of 471: Samuel A. Greeley (647)
Dsc of 472: David K. Todd (647)
Clo (752) of "Incineration and Alternative Refuse Disposal Processes" (471) with F. R. Bowerman
Clo (848) of "Infiltration Galleries" (472)
Dsc (782) of "The Removal of Color from TNT Waste" (645)

STRAUB, CONRAD P.
Rt "Sanitary Engineering Aspects of Nuclear Energy: Progress Report of the Committee of the Sanitary Engineering Division on the Sanitary Engineering Aspects of Nuclear Energy" (646)

STRAUSSER, H. S.
See McPherson, M. B. (747)

STREIFF, A.
Dsc (641) of "Recent Trends in Hydraulic Gate Design" (517)

STYER, E. F.
See Hechtman, R. A. (797)

SUTHERLAND, ROBERT A.
Dsc of 355: E. Montford Fucik, Claudio Marcello, T. M. Patterson, and Carlo Semenza (699)
Clo (699) of "Statistical Review of Dam Construction" (355)
Corr (699) of "Statistical Review of Dam Construction" (355)

SUTHERLAND, EARL C.
Dsc (704) of "Determining the Required Thickness of Concrete Pavements for Highways" (596)

SWEET, CHARLES A.
See Bacon, Vinton W. (698)

SWIGER, W. F.
See Dockstader, E. A. (831)

SYMONDS, P. S.
See Cotter, B. A. (675)

TACHAU, HERMAN
Clo (664) with Ibrahim Mostafa of "Field Data for the Structural Design of Coal Bunkers" (430)

TALLEY, B. B.
"Channel Depths for Modern Ports" (610)
Dsc of 503: Charles L. Hall (726)

TAYLOR, HENRY W.
Dsc of 496: Robert P. Lowe and Bryan E. Miller (689)
Corr (647) of "State Activities and Fiscal Aspects: Report of a Subcommittee of the Committee on Refuse Collection and Disposal of the Sanitary Engineering Division" (557)

TAYLOR, KARL V.
Dsc of 561: C. H. Clifton; and A. H. Metcalfe (664)

TENNYSON, E. L.
Dsc (835) of "Is Subsidy Necessary for Adequate Mass Transit?" (710)

TERRILL, JAMES G., JR.
"Fission Products from Nuclear Reactors" (643) with Dade W. Moeller and Samuel C. Ingraham, II

THACKWELL, H. L.
Dsc (752) of "Design of Treatment Plants for Low Turbidity Water" (591)
Dsc (752) of "Fundamental Concepts of Rectangular Settling Tanks" (590)

THOM, H. C. S.
Dsc of 539: E. J. Gumbel (682)

THOMAS, CHARLES W.
"Discharge Coefficients for Gates and Valves" (746)

THOMAS, ROBERT O.
"General Aspects of Planned Ground Water Utilization" (706)

THOMPSON, GEORGE R.
Dsc (595) of "Incineration and Alternative Refuse Disposal Processes" (471)

THOMPSON, THOMAS F.
Dsc of 548: Thomas W. Fluhr (657)
Dsc of 548: Horace A. Johnson, and Giovanni Rodio (718)

THON, J. GEORGE
"Morro Bay Steam Electric Plant" (737) with Gordon L. Coltrin

THORFINNSON, S. T.
Dsc of 549: Preston T. Bennett and Paul E. Wohlt (718)

THÜRLIMANN, BRUNO
Dsc of 434: G. C. Ernst, Charles S. Whitney, and Boyd G. Anderson (654)
Clo (654) with Bruce G. Johnston of "Analysis and Tests of a Cylindrical Shell Roof Model" (434)

TIEDEMANN, J. L.
See Hechtman, R. A. (797)

TISON, GERARD, JR.
Dsc (748) of "Effect of Well Screens of Flow into Wells" (365)

TOCH, ARTHUR
Dsc (624) with Emmett M. Laursen of "Flow in Open Channels" (466)
See Laursen, Emmett M. (748)

TODD, DAVID K.
"Ground-Water Flow in Relation to a Flooding Stream" (628)
"Investigating Ground Water by Applied Geophysics" (625)
Dsc (647) of "Infiltration Galleries" (472)

TRACY, H. J.
Clo (665) with R. W. Carter of "Backwater Effects of Open Channel Constrictions" (413)

TRASK, PARKER D.
Dsc of 477: Earl T. Apfel and Louis J. Goodman; and Bernard B. Gordon (657)

TSCHEBOTARIOFF, GREGORY P.
Dsc (718) of "Effectiveness of Sand Drains on New Jersey Turnpike" (571)

TULTS, HAROLD
Dsc (621) of "Diversion of Canals" (461)
Dsc (709) of "Diversion Flow Through Buford Dam Conduits" (535)

TUNG, T. P.
See Austin, W. J. (673)

UHRIG, ROBERT EUGENE
"Analogies Using Non-Identical Equations" (775)

van LANGENDONCK, TELEMACO
Corr (606) to dsc (333) of "The Application of Heaviside's Step-Function to Beam Problems" (202)

VAYDA, EUGENE J.
Dsc (812) of "The Constant Segment Method for the Analysis of Non-Uniform Structural Members" (649)

VELETSOS, A. S.
"Natural Frequencies of Continuous Flexural Members" (735) with N. M. Newmark
Dsc of 735: Jacob Karol (849)

VEY, E.
Dsc (843) of "Field Vane Shear Tests of Sensitive Cohesive Soils" (755)

VINCENT, GEORGE S.
Dsc (661) of "The Vibration of Steel Stacks" (540)
Dsc (812) of "Bending Interaction in Suspension Bridges" (652)

VOLTERRA, ENRICO
Dsc of 375: I. Oesterblom (606)
Clo (606) of "Deflections of a Circular Beam Out of Its Initial Plane" (375)

VON GUNTEN, GLENN H.
See Rydell, Louis E. (639)

WAGNER, W. E.
Clo (709) of "Morning-Glory Shaft Spillways: Determination of Pressure-Controlled Profiles" (432)

WALKER, ARTHUR V.
Dsc (598) of "Highway Bridges on Deep Foundations" (276)

WALSH, O. E.
Dsc (641) of "Engineering Advancements at McNary Project" (639)

WANTLAND, DART
Dsc (843) of "Rock Weathering Classification of Excavation Slopes" (754)

WARNER, ROY F.
Dsc (598) of "Peak Discharge for Highway Drainage Design (320)

WARNICK, F. M.
"Ground Water and Drainage Problems of the Weber Basin Project, Utah" (619) with William H. Greenhaigh

WATTS, GEORGE M.
See Hall, Jay V., Jr. (616)

WEBER, W. G.
Dsc (699) of "Recent Trends in Hydraulic Gate Design" (517)

WEBER, WILLIAM G., JR.
Dsc (843) of "Settlement Analysis of Sand Drain Projects" (756)

WEI, BENJAMIN C. F.
Dsc (849) of "Influence Lines for Moment and Shear in a Continuous Beam" (734)

WEIL, N. A.
See Disario, P. C. (849)

WEINER, J. H.
"A Resistor-Network Solution for the Elasto-Plastic Torsion Problem" (671) with M. G. Salvadori and V. Paschkis
Dsc of 671: Howard R. Moore (799)

WEISS, LEONARD L.
See Hershfield, David M. (744)

WELCH, J. D.
"Rock Weathering Classification of Excavation Slopes" (754)
Dsc of 754: Dart Wantland (843)

WELCH, WILLIAM, JR.
"Site Development for the E. F. Barrett Power Station" (634)

WHINNERAH, R. W.
"Boysen Dam Diversion and Outlet Works" (635)

WHIPPLE, WILLIAM, JR.
"Principles of Federal Hydro-electric Power Development" (739)

WHISLER, BENJAMIN A.
"Education of Civil Engineers: Training for Civil Engineering" (859)

WHITNEY, CHARLES S.
Dsc (654) of "Analysis and Tests of a Cylindrical Shell Roof Model" (434)

WHITTON, REX M.
"Using Consultants to Expand a Highway Program" (824)

WILEY, JOHN S.
"A Preliminary Study of High-Rate Composting" (846) with George W. Pearce

WILEY, WALLACE F.
See Hanson, Walter E. (649)

WILSEY, EDWARD F.
Dsc of 466: Arthur Toch and Emmett M. Laursen (624)

WILSON, STANLEY D.
See Parsons, James D. (843)

WILSON, WALTER T.
See Hershfield, David M. (744)

WING, LESHER S.
"Selection of Installed Capacity at Hydro-electric Power Plants" (697) with Robert H. Griffin

WINTER, GEORGE
See Zetlin, Lev (774)

WINTERKORN, HANS F.
Dsc (656) of "Suction Force in Soils upon Freezing" (445)

WOHLT, PAUL E.
See Bennett, Preston T. (718)

WOOD, FRANK B.
Clo (595) of "Reservoir Malaria Control and Sanitation Problems" (399)

WOODRUFF, GLENN B.
Dsc (589) of "Fatigue in Riveted and Bolted Single Lap Joints" (469)
Dsc (758) of "Structural Success or Failure?" (632)
Dsc (812) of "A Study of the Behavior of Large I-section Connections" (659)
See Dickey, Walter L. (765)

WOODRUFF, RICHARD S.
Dsc (748) of "Hydraulic Model Studies of Martin Dam Draft Tubes" (382)

WRIGHT, D. T.
See Munse, W. H. (664)

WYLY, L. T.
See Carter, J. W. (682)

XANTEN, WILLIAM A.
Dsc (595) of "Incineration and Alternative Refuse Disposal Processes" (471)

YEGIAN, S.
See Austin, W. J. (673)

YODER, L. G.
"Upper Minneapolis Harbor Development, Minnesota" (802)

ZEE, CHONG-HUNG
"Flow into a Well by Electric and Membrane Analogy" (817) with Dean F. Peterson and Robert O. Bock

ZETLIN, LEV
"Elastic Instability of Flat Plates Subjected to Partial Edge Loads" (795)
"Unsymmetrical Bending of Beams with and without Lateral Bracing" (774) with George Winter

ZIEGENFELDER, R. F.
"The San Francisco Bay Area Mass Rapid Transit Study" (712)